

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☒

OTHER

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

DIAMOND SHAMROCK CORPORATION

3. ADDRESS OF OPERATOR

Drawer E, Vernal, UT 84078 801-789-5207

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface FWL

1980' ~~FWL~~ 660' FNL Section 6, T9S, R17S, S.L.B. & M.

At proposed prod. zone

same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

13 miles Southwest of Myton, UT

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED

TO THIS WELL  
40

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

+ 1430'

19. PROPOSED DEPTH

5450'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5296'

22. APPROX. DATE WORK WILL START\*

A.S.A.P.

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2"	8 5/8"	24# K-55	250'	Circulate to surface
7 7/8"	5 1/2"	15.5# K-55	T.D. 5450'	300 sacks

Drill 12 1/2" hole to approximately 250' set 8 5/8" casing, set up BOP as required and pressure test. Drill 7 7/8" hole to approximately 5450' if production is found feasible set 5 1/2" production casing.

JUN 27

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DIVISION OF  
OIL, GAS & MINING

DATE: 7/16/81  
BY: [Signature]

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Bill Elliott

TITLE

District Superintendent

DATE

June 22, 1981

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

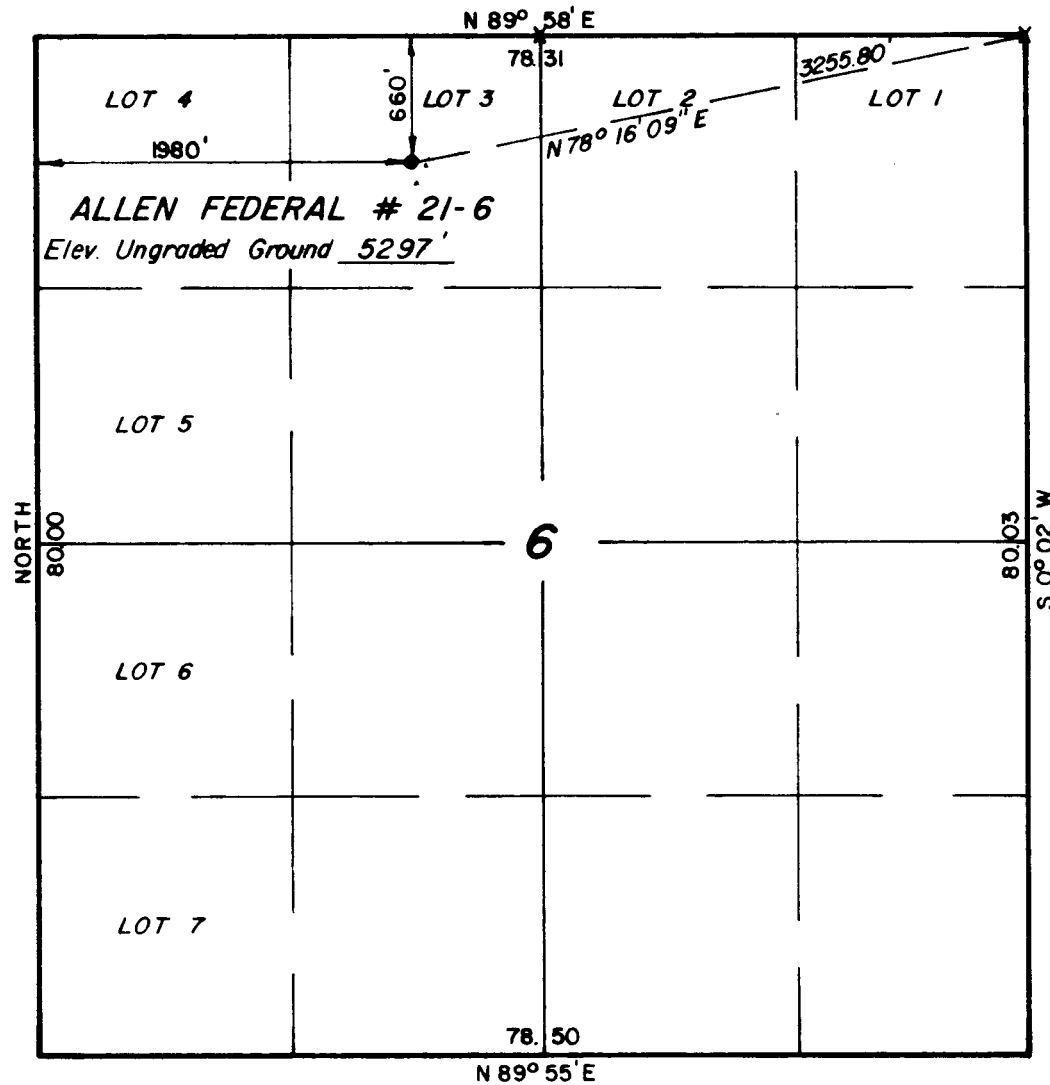
\*See Instructions On Reverse Side

*T 9 S, R 17 E, S.L.B. & M.*

PROJECT

DIAMOND SHAMROCK CORP.

Well location, *ALLEN FEDERAL #21-6*,  
located as shown in the NE 1/4 NW 1/4  
Section 6, T9S, R17E, S.L.B & M, Duchesne  
County, Utah.



**X = Section Corner Located**



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY  
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR  
REGISTRATION NO 3154  
STATE OF UTAH

UTAH ENGINEERING & LAND SURVEYING  
 P. O. BOX Q - 85 SOUTH - 200 EAST  
 VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 6/11/81
PARTY SH TE DC	REFERENCES GLO Plat
WEATHER Hot & Calm	FILE DIAMOND SHAMROCK CORP.

Allen Federal #21-6

1. GEOLOGICAL NAME OF SURFACE FORMATION

- (A) Uinta Formation

2. TOPS OF IMPORTANT GEOLOGICAL MARKERS

- (A) Mahogany Formation 1584'
- (B) Douglas Creek V 4936'
- (C) Douglas Creek IV 5093'
- (D) Douglas Creek III 5224'
- (E) Douglas Creek II 5252'
- (F) Douglas Creek I 5264'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL OR GAS

- (A) Gas anticipated at 2600' in Evacuation Creek Member  
(Water or Oil not anticipated)
- (B) Oil & Gas anticipated in Basal Green River Formation (Douglas Creek at 5450')

4. PROPOSED CASING PROGRAM

- (A) 250' of 8 5/8" surface casing 32# per foot  
5450' of 5 1/2" 15.5# per foot. (K-55)

5. SPECIFICATION FOR PRESSURE CONTROL EQUIPMENT

- (A) 12 inch 3000# Double Hydraulic BOP with pipe rams and blind rams and spherical BOP.
- (B) BOP to be pressure tested before spudding and daily testing of closing units and rams while drilling.

6. PROPOSED CIRCULATING MEDIUM

- (A) Brine water is proposed to be used unless additional weight is needed to control pressures or heaving shale. In this event a chemical-gel fresh water mud will be used and Barite as needed to control pressure.

7. AUXILIARY EQUIPMENT TO BE USED

- (A) Upper Kelly Cock
- (B) Float at bit
- (C) Floor T.I.W. Valve (stabbing valve) for drill pipe
- (D) Gas Detector Logging Unit

8. TESTING LOGGING AND CORING PROGRAM

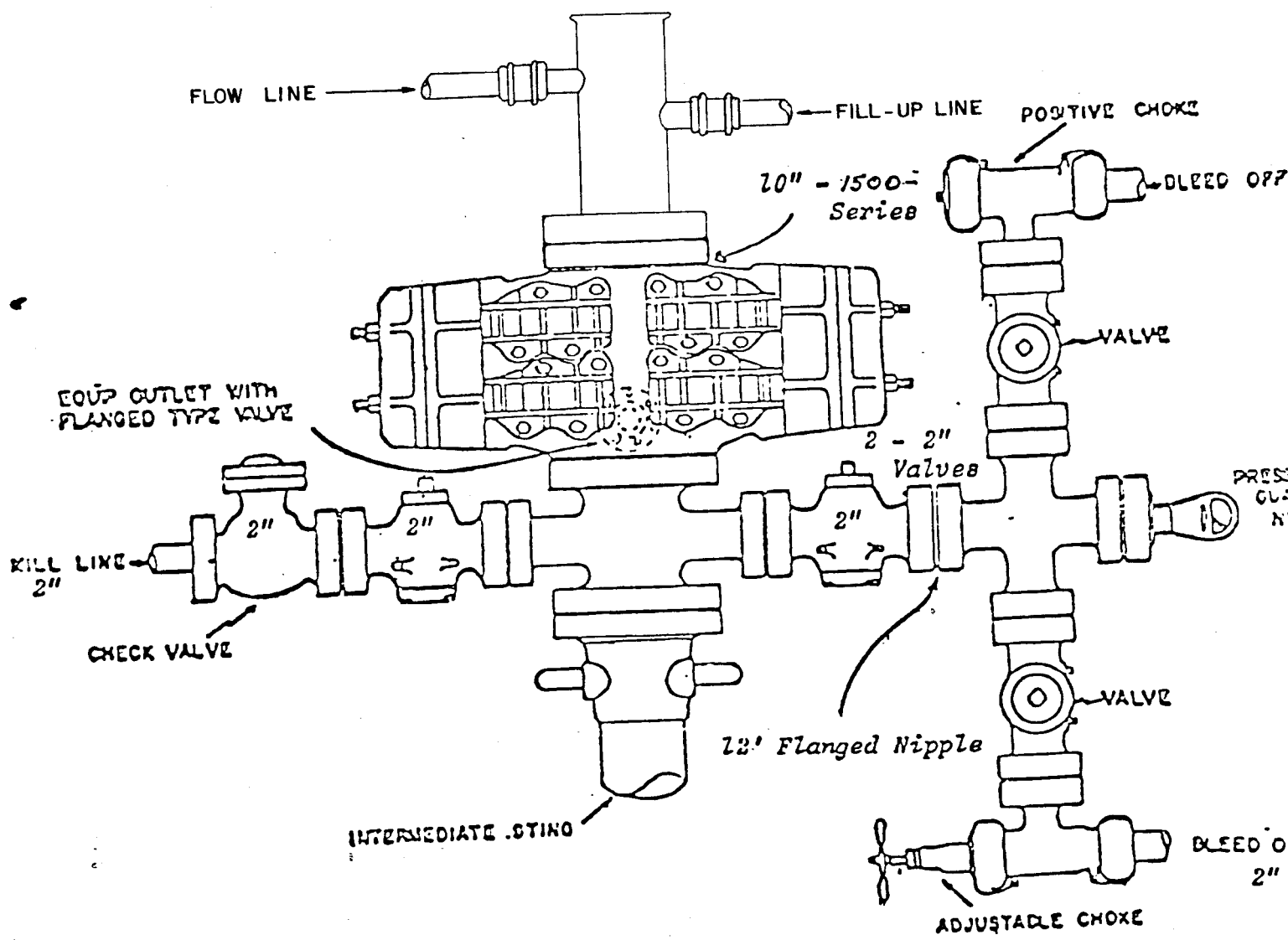
- (A) Drill stem test of Evacuation Creek and Douglas Creek
- (B) Will run dual lateral log, BHC, and CNL-FDC .

9. ANTICIPATED ABNORMAL PRESSURES, TEMPERATURES OF HAZARDS

- (A) No abnormal pressures expected
- (B) No Hydrogen Sulfide Gas expected

10. STARTING DATE AND DURATION OF OPERATIONS

- (A) Anticipated starting date as soon as approvals are made.
- (B) This well is anticipated to be drilled in approximately 30 days.



NOTE: BLOWOUT PREVENTER HAS DOUBLE RAMS;  
ONE BLIND AND ONE PIPE RAM.

Diag. A

DIAMOND SHAMROCK CORPORATION

13 Point Surface Use Plan

Well Location

Allen Federal #21-6

Located In

Section 6, T9S, R17E, S.L.B. & M.

Duchesne County, Utah

DIAMOND SHAMROCK CORPORATION  
Allen Federal #21-6  
Section 6, T9S, R17E, S.L.B. & M.

1. EXISTING ROADS

See attached Topographic Map "A".

To reach DIAMOND SHAMROCK CORPORATION, well location site Allen Federal #21-6, located in the NE 1/4 NW 1/4 Section 6, T9S, R17E, S.L.B. & M., Duchesne County, Utah:

Proceed Westerly out of Vernal, Utah along U.S Highway 40 - 49.0 miles + to the junction of this Highway and Utah State Highway 53; proceed Southerly along Utah State Highway 53 - 1.6 miles to its junction with Utah State Highway 216; proceed Southerly along State Highway 216 - 9.5 miles to its junction with an existing dirt road to the Southwest proceed Southwesterly along this road 1.3 miles to its junction with the proposed location site.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South; thereafter the road is constructed with existing materials and gravels. The highways are maintained by Utah State road crews. All other roads are maintained by County crews

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing areas they are located in and range from clays to a sandy-clay shale material.

The roads that are required for access during the drilling phase, completion phase, and production phase, of this well will be maintained at the standards required by the B.L.M. or other controlling agencies. This maintenance will consist of some minor grader work for smoothing of road surfaces and for snow removal.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The planned road leaves the existing road described in Item #1 in the NW 1/4 NE 1/4 Section 6, T9S, R17E, S.L.B. & M., and proceeds in a Northwesterly direction approximately 0.2 miles to the proposed location site.

The proposed access road will be an 18' crown road (9' either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area.

Back slopes along the cut areas of the road will be 1 1/2 to 1 slopes and terraced.

There will be no culverts required along this road.

There will be no turnouts required along this road.

There are no fences encountered along this access road therefore there are no gates or cattleguards required.

The lands involved in this action are under B.L.M. jurisdiction.

The terrain that is traversed by this road is relatively flat. The grade of this road will not exceed 8%.

3. LOCATION OF EXISTING WELLS

There are no known producing wells within a one mile radius of this location site. (See Topographic Map "B")

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

A tank battery site will be set at the proposed location site. This battery will be used to contain production from this well. If in the event this battery can not be improvised, a flowline will be built which will extend to an existing well in the area.

The area will be built if possible, with native materials and if these materials are not available then the necessary arrangements will be made to get them from private sources. These facilities will be constructed using bulldozers, graders and workman crews to construct and place the proposed facilities. If there is any deviation from the above, all appropriate agencies will be notified. Rehabilitation of disturbed areas no longer needed for operation after construction is completed will meet the requirements of Item #10.

5. LOCATION AND TYPE OF WATER SUPPLY

See Topographic Map "B".

At the present time, it is anticipated that the water for this well will be hauled by truck over the existing roads and the proposed access road approximately 14.6 miles from the Duchesne River at a point where it crosses under U.S. Highway 40.

In the event that this source is not used, an alternate source will be used and all necessary arrangements will be made with the proper authorities.

There will be no water well drilled at this location site.



6. SOURCE OF CONSTRUCTION MATERIALS

All construction material for this location site and access road shall be borrow material accumulated during construction of the location site and access road. No pit lining materials from other sources are anticipated at this time, but if they are required, the appropriate actions will be taken to acquire them from private sources.

7. METHODS OF HANDLING WASTE DISPOSAL

See Location Layout Sheet.

A reserve pit will be constructed.

The reserve pit will vary in size and depth according to the water table at the time of drilling.

One half of the reserve pit will be used as a fresh water storage area during the drilling of this well and the other one half will be used to store non-flammable materials such as cuttings, salts, drilling fluids, chemicals and produced fluids, etc.

If deemed necessary by the agencies concerned to prevent contamination to surrounding areas, the reserve pits will be lined with a gel.

The pits will have wire and overhead flagging installed if deemed necessary to protect the water fowl, wildlife, and domestic animals.

At the onset of drilling, the reserve pit will be fenced on three sides and at the time drilling activities are completed, it will be fenced on the fourth side allowed to dry completely prior to the time that backfilling and other reclamation activities are attempted.

When the reserve pit dries and reclamation activities commence, the pits will be covered with a minimum of four feet of soil and all requirements in Item #10 will be followed.

A portable toilet will be supplied for human waste.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. WELL SITE LAYOUT

See attached Location Layout Sheet.

The B.L.M. Representative shall be notified before any construction begins on the proposed location site.

As mentioned in Item #7, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area; then the pits will be lined with a gel and any other type of material necessary to make it safe and tight.

When drilling activities commence, all work shall proceed in a neat and orderly sequence.

#### 10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See location layout sheet and Item #9). When all drilling and production activities have been completed, the location site and access road will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area.

Any drainages re-routed during construction activities shall be restored to their original line of flow as near as possible. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the trash basket shall be hauled to the nearest Sanitary Landfill.

Restoration activities shall begin within 90 days after completion of the well. Once restoration activities have begun, they shall be completed within 30 days.

When restoration activities have been completed, the location site and access ramp shall will be reseeded with a seed mixture recommended by the B.L.M. Representative when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said clean-up and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Items #7 and #10.

#### 11. OTHER INFORMATION

##### The Topography of the General Area - (See Topographic Map "A")

The area is a large basin formed by the Uinta Mountains to the North and the Book Cliff Mountains to the South. The Green River is located approximately 14 miles to the Southeast of the location site.

The basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in sandstone ledges, conglomerate deposits, and shale are common in this area.

The geologic structures of the area that are visible are of the Uinta formation (Eocene Epoch) Tertiary Period in the upper elevations and the cobblestone and younger alluvial deposits from the Quaternary Period.

DIAMOND SHAMROCK CORPORATION  
Allen Federal #21-6  
Section 6, T9S, R17E, S.L.B. & M.

Outcrops of sandstone ledges, conglomerate deposits and shale are common in this area.

The topsoils in the area range from a light brownish-gray sandy clay (SM-ML) type soil with poorly graded gravels to a clayey (OL) soil.

The majority of the numerous washes and draws in the area are of a non-perennial nature flowing during the early spring run-off and heavy rain storms of long duration which are rare as the normal annual rainfall in the area is only 8".

Due to the low precipitation average, climatic conditions and the marginal types of soils, the vegetation that is found in the area are common of the semi-arid regions and consists of areas of sagebrush, rabbitbrush, some grasses and cacti as the primary flora. This is also true of the lower elevations.

The fauna of the area is sparse and consists predominantly of the mule deer, pronghorn antelope, coyotes, rabbits, and varieties of small ground squirrels and other types of rodents. The area is used by man for the primary purpose of grazing domestic sheep and cattle.

The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

The Topography of the Immediate Area - (See Topographic Map "B").

Allen Federal #21-6. is located approximately 3400' North of Castle Peak Draw a non-perennial drainage which runs to the North & East.

The terrain in the vicinity of the location slopes from the West through the location site to the East at approximately a 2.0% grade.

The vegetation in the immediate area surrounding the location site consists of grasses and sparse amounts of sagebrush.

There are no occupied dwellings or other facilities of this nature in the general area.

There are no visible archaeological, historical, or cultural sites within any reasonable proximity of the proposed location site. (See Topographic Map "B").

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

Bill Elliot  
DIAMOND SHAMROCK CORPORATION  
85 South 200 East  
Vernal, UT 84078

1-801-789-5270

DIAMOND SHAMROCK CORPORATION  
Alien Federal #21-6  
Section 6, T9S, R17E, S.L.B. & M.

13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge true and correct; and that the work associated with the operation proposed herein will be performed by DIAMOND SHAMROCK CORPORATION and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

June 22, 1981  
Date

Bill Elliott  
Bill Elliot

Identification CER/EA No. 523-81

United States Department of the Interior  
Geological Survey  
2000 Administration Bldg.  
1745 West 1700 South  
Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator Diamond Shamrock Corp.  
Project Type Oil & Gas Well - Development  
Project Location 1980' FEL 660' FNL Section 6, T. 9S, R. 17E.  
Well No. 21-6 Lease No. U-020252-A  
Date Project Submitted June 23, 1981

FIELD INSPECTION Date July 22, 1981

Field Inspection Participants	Craig Hansen	USGS, Vernal
	Gary Slagel	BLM, Vernal
	Bill Elliot	Diamond Shamrock

Related Environmental Documents: \_\_\_\_\_

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

7-28-81  
Date Prepared

Craig M. Hansen  
Environmental Scientist

I concur  
JUL 29 1981  
Date

W. T. Martin FOR E. W. GUYNN  
District Supervisor DISTRICT ENGINEER

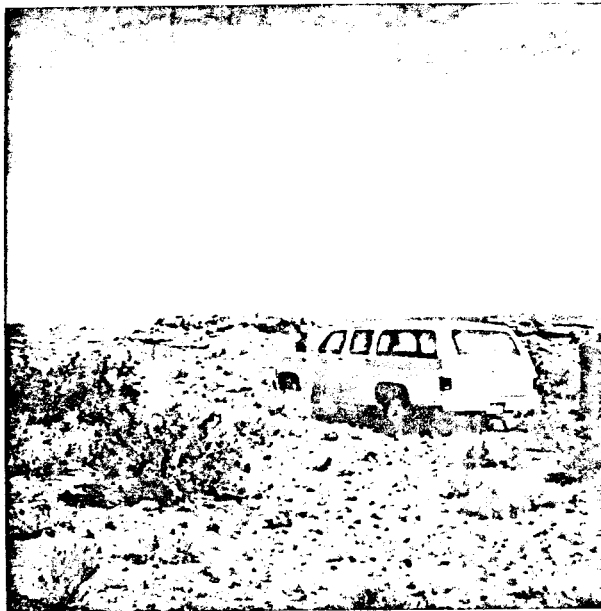
Typing In 7-27-81 Typing Out 7-28-81

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A	Federal/State Agency			Local and private corre- spondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Corre- spondence (date)	Phone check (date)	Meeting (date)						
Public health and safety	BILM. 7-28-81						2	7-22-81 2,4,6	
Unique charac- teristics	-						2	2,4,6	
Environmentally controversial	1						2	2,4,6	
Uncertain and unknown risks	1					2	2	2,4,6	
Establishes precedents							2	2,4,6	
Cumulatively significant	1						2	2,4,6	
National Register historic places	1								
Endangered/ threatened species	1								
Violate Federal, State, local, tribal law	1								

RECOMMENDED STIPULATIONS FOR DIAMOND SHAMROCK #21-6

1. Paint production facilities a tan color to blend in with the natural surroundings.
2. Flowlines will follow existing access roads to major transmission lines.



*Diamond Shamrock  
#21-6 north*

FROM : DISTRICT GEOLOGIST ME, SALT LAKE CITY, UTAH

TO : DISTRICT ENGINEER, O&amp;G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-020252-AOPERATOR: Diamond Shamrock Corp.WELL NO. 21-6LOCATION: 1/4 NW 1/4 NE 1/4 sec. 6, T. 9S, R. 17E, SLB #1Duchesne County, Utah

## 1. Stratigraphy:

Uintah - Surface

Green River ~ 1100'

Douglas Creek ~ 2600'

TD 5450

## 2. Fresh Water:

Fresh to usable  $H_2O$  possible in sandstones in Uintah as Green River Sandstone.

## 3. Leasable Minerals:

Oil shale in Green River, mahogany bed is at approx. 2800'  
operator anticipates gas @ ~ 2600' and oil & gas @ 5450'

4. Additional Logs Needed: Adequate - log to top of Green River  
for oil shale

5. Potential Geologic Hazards: None expected.

## 6. References and Remarks:

USGS files

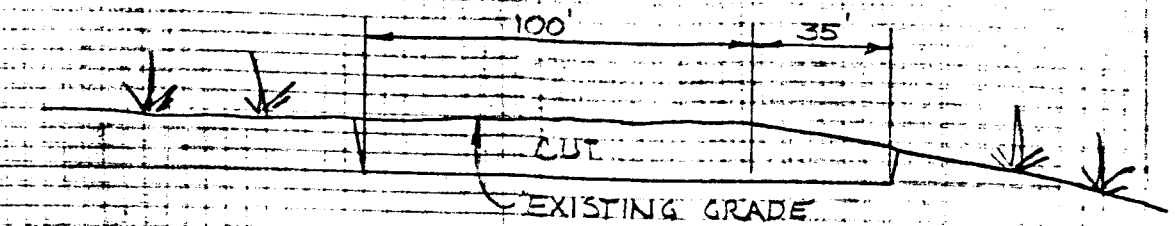
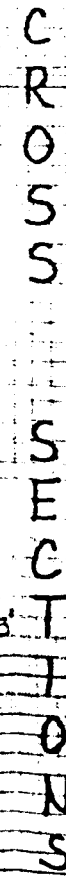
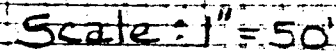
USGS Maps OM-171, MF-797

Signature: James A. FordDate: 7-17-81

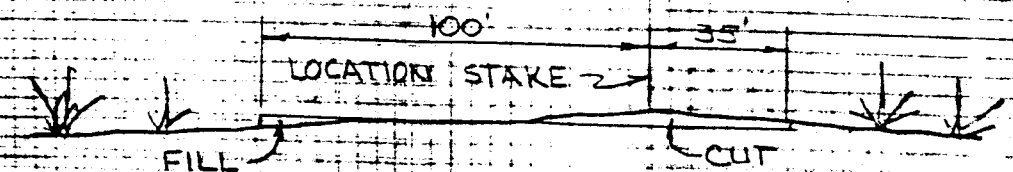


ALLEN FEDERAL #21-6

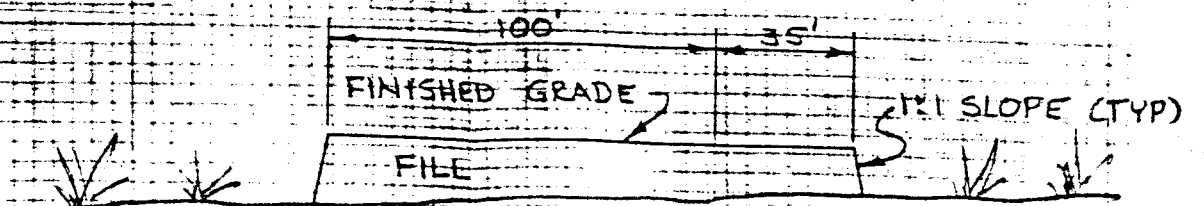
ALLEN FEDERAL #21-6



STALO+OO



STA. 1 + 50



STA. 3+00

# SCALES

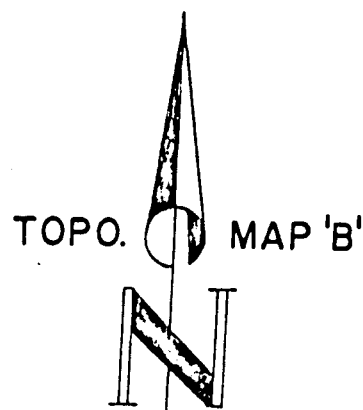
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APPROX. YARDAGE

CUT - 11340

FILL - 104

Diamond Shamrock Corp.  
ALLEN FEDERAL # 21-6  
PROPOSED LOCATION



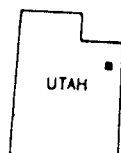
SCALE - 1" = 2000'

ROAD CLASSIFICATION

Medium-duty ——— Light-duty - - - - -

Unimproved dirt - - - - -

○ State Route



QUADRANGLE LOCATION

HIGHWAY 53 - 9.5 MILES  
MYTON, UTAH - 13.1 MILES

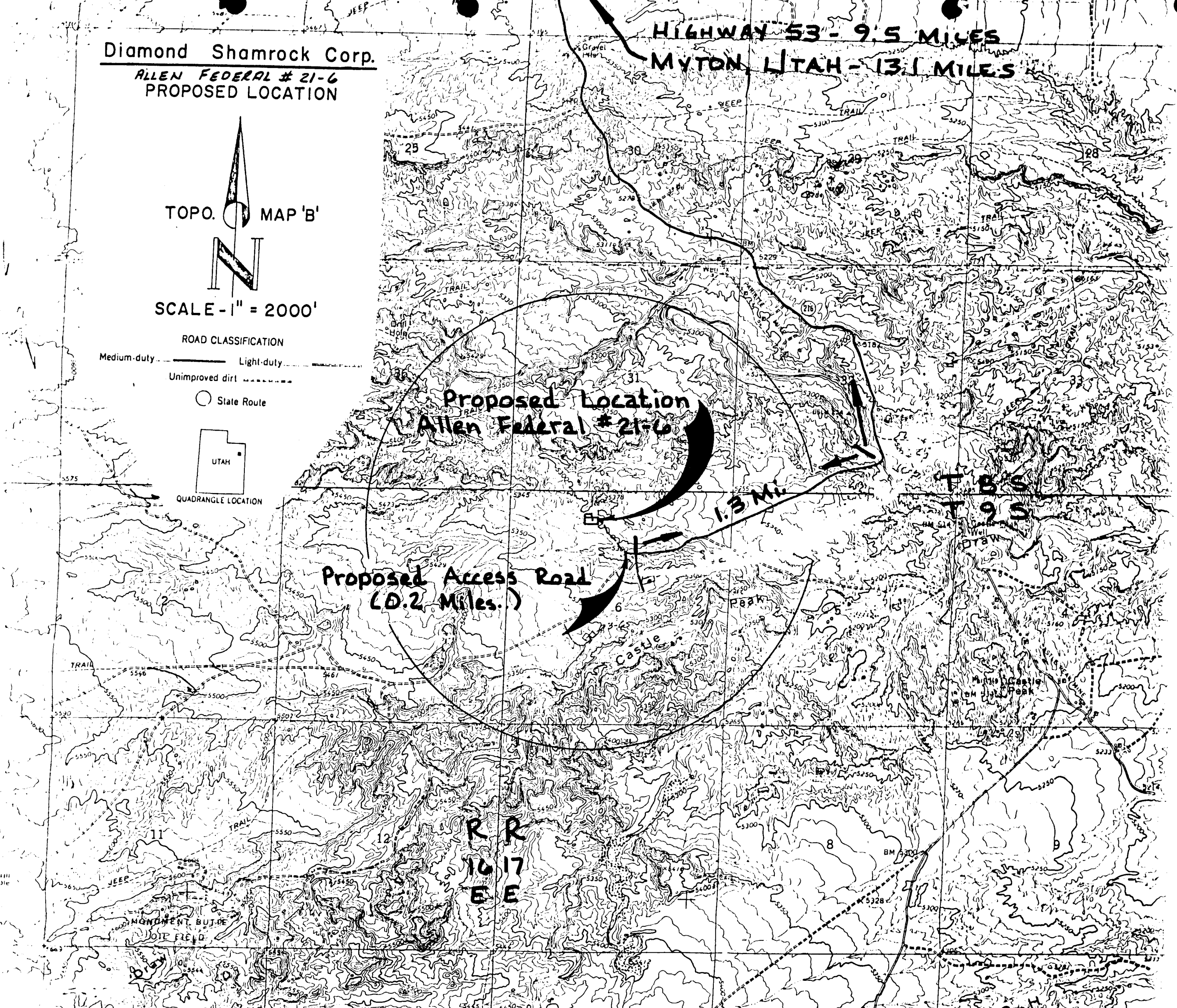
Proposed Location  
Allen Federal # 21-6

Proposed Access Road  
(0.2 Miles.)

1.3 Mi.

T. 8 S.  
T. 9 S.

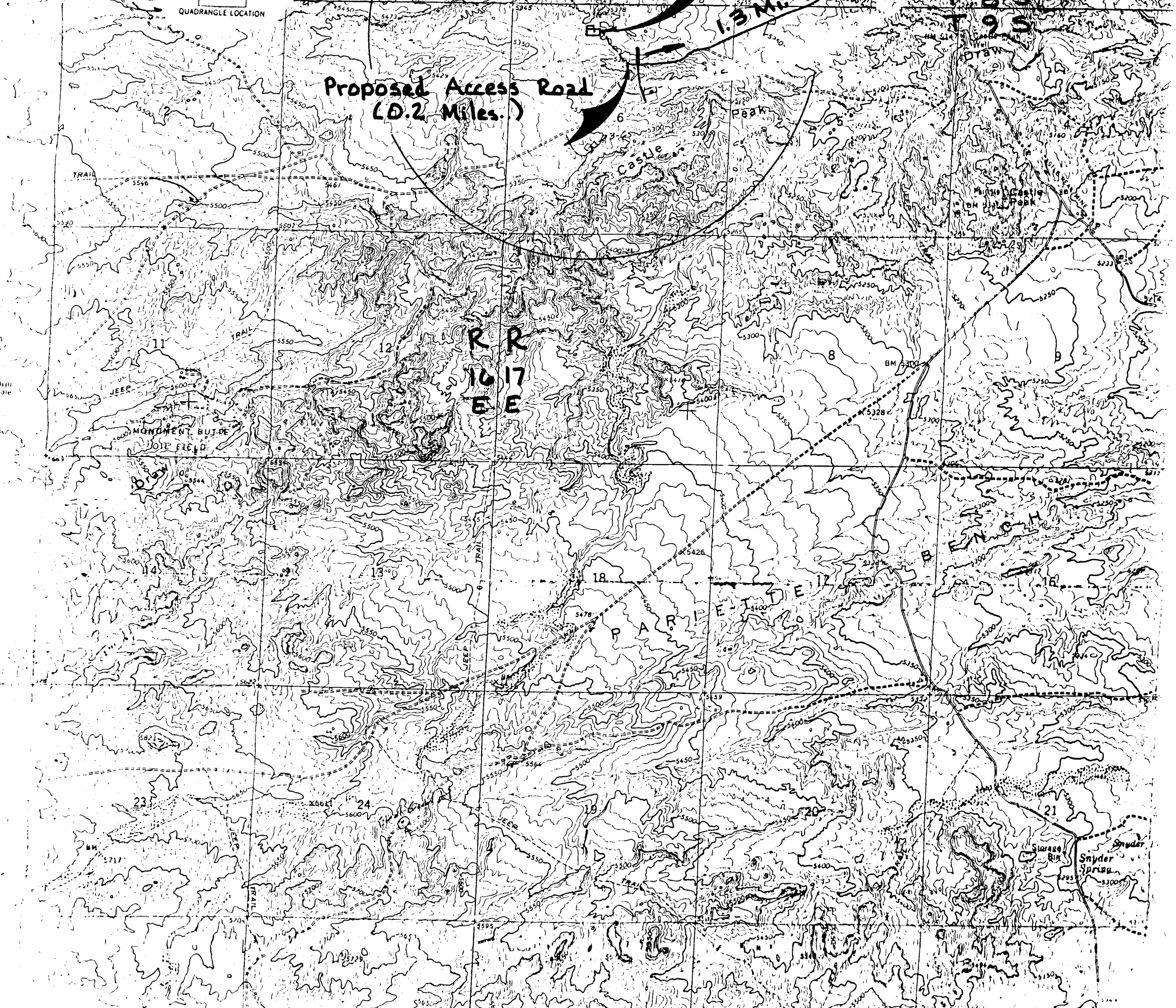
R R  
16 17  
E E





QUADRANGLE LOCATION

Proposed Access Road  
(0.2 Miles.)



# Diamond Shamrock Corp.

ALLEN FEDERAL # 21-6  
PROPOSED LOCATION

TOPO. MAP 'A'



SCALE - 1" = 4 MI.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-020252-A
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR DIAMOND SHAMROCK CORPORATION		7. UNIT AGREEMENT NAME Allen Federal
3. ADDRESS OF OPERATOR Drawer E, Vernal, UT 84078 801-789-5207		8. FARM OR LEASE NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1980' FEL 660' FNL Section 6, T9S, R17S, S.L.B. & M. At proposed prod. zone same		9. WELL NO. #21-6
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 13 miles Southwest of Myton, UT		10. FIELD AND POOL, OR WILDCAT Field
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 6, T9S, R17E. S.L.B. & M.
16. NO. OF ACRES IN LEASE 640		12. COUNTY OR PARISH Duchesne
17. NO. OF ACRES ASSIGNED TO THIS WELL 40		13. STATE UT
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. $\pm 1430'$		20. ROTARY OR CABLE TOOLS Rotary
19. PROPOSED DEPTH 5450'		22. APPROX. DATE WORK WILL START* A.S.A.P.
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5296'		

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2"	8 5/8"	24# K-55	250'	Circulate to surface
7 7/8"	5 1/2"	15.5# K-55	T.D. 5450'	300 sacks NOT ENOUGH NEED TO PROTECT FRESH WATER AND OIL SALE

Drill 12 1/2" hole to approximately 250' set 8 5/8" casing, set up BOP as required and pressure test. Drill 7 7/8" hole to approximately 5450' if production is found feasible set 5 1/2" production casing.

**RECEIVED**  
JUN 23 1981DIVISION OF  
OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Bill Elliott TITLE District Superintendant DATE June 22, 1981  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY W. J. Martin FOR E. W. GUYNN DISTRICT ENGINEER DATE JUL 31 1981  
CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

CONDITIONS OF APPROVAL ATTACHED  
TO OPERATOR'S COPY

NOTICE OF APPROVAL

\*See Instructions On Reverse Side

FLARING OR VENTING OF  
GAS IS SUBJECT TO NTL 4-A  
DATED 1/1/80

State of UT



# United States Department of the Interior

IN REPLY REFER TO

T & R  
U-801

BUREAU OF LAND MANAGEMENT  
VERNAL DISTRICT OFFICE  
170 South 500 East  
Vernal, Utah 84078

July 23, 1981

Ed Guynn, District Engineer  
USGS, Conservation Division  
2000 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104

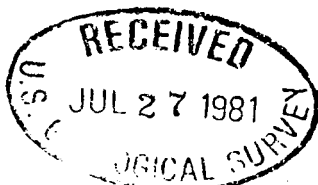
Re: Diamond Shamrock Corporation  
Joint Onsite Inspection  
T9S, R17E, Section 5  
Wells 13-5, 22-5  
T9S, R17E, Section 6  
Wells 12-6, 21-6, 43-6

Dear Mr. Guynn:

On July 22, 1981, a joint onsite inspection was made of the above referenced well site locations and proposed access roads by people representing Diamond Shamrock, Casada Construction, USGS, and the BLM. We feel that the surface use and operating plans are adequate with the following stipulations:

1. Construction and maintenance of roads, rehabilitation of disturbed areas, and construction of pipeline routes shall be in accordance with surface use standards as set forth in the booklet, "Surface Operating Standards for Oil and Gas Exploration and Development."
2. The maximum width of access roads will be 30 feet total disturbed area. Turnouts will not be required and traveling off the right-of-way will not be allowed.
3. Topsoil will be stockpiled as addressed in the applicants 13 Point Plan. Our office recommends the top 6-10 inches of soil materials be stockpiled.
4. The BLM will be notified at least 24 hours prior to any construction.
5. The BLM will be notified at least 24 hours prior to any rehabilitation.
6. A burn pit will not be constructed. There will be no burying of garbage or trash at the location. All trash must be contained and hauled to an approved disposal site.

Continued . . . . .



7. All permanent (on site for six (6) months duration or longer) structures constructed or installed shall be painted a flat (non-reflective) earth tone color to match Tnemec 23-08351 Mesa Brown Enduratone, or an approved equal. Facilities that are required to comply with O.S.H.A. (Occupational Safety and Health Act) standards are excluded.
8. Well #12-6, the access road will begin at the junction of the Diamond Shanrock location #23-6.
9. For well #34-6, the location will be moved 50' to the west to stay out of the drainage on the east side of the location.
10. The access road for well #43-6 will be changed as discussed at the joint onsite.

An archaeological clearance has been conducted by Archaeological - Environmental Research Corporation of the proposed drill site and access road. No cultural materials were located on the surface of the survey areas.

The proposed activities do not jeopardize listed, threatened or endangered flora/fauna and their habitats.

Sincerely,

*Timothy P. O'Brien*  
Ralph J. Heft  
*Acting* Area Manager  
Diamond Mountain Resource Area

cc: USGS, Vernal  
Salt Lake

**\*\* FILE NOTATIONS \*\***

DATE: July 8, 1981  
OPERATOR: Diamond Shamrock Corp.  
WELL NO: Allen Federal #21-6  
Location: Sec. 6 T. 9S R. 17E County: Duchesne

File Prepared: ☒ Entered on N.I.D: ☒  
Card Indexed: ☒ Completion Sheet: ☒

API Number 43-013-30384

CHECKED BY:

Petroleum Engineer: \_\_\_\_\_

Director: OK see attached 13-5

Administrative Aide: as per Rule C-3, ok on boundaries  
can be approved as an oil well only.

APPROVAL LETTER:

Bond Required: ☐ Survey Plat Required: ☐

Order No. \_\_\_\_\_ O.K. Rule C-3 ☐

Rule C-3(c), Topographic Exception - company owns or controls acreage  
within a 660' radius of proposed site ☐

Lease Designation ☒ Plotted on Map ☐

Approval Letter Written ☐

Hot Line ☐ P.I. ☐



July 17, 1981

Diamond Shamrock Corp.  
85 South 200 East  
Vernal, Utah 84078

RE: Well No. Allen Federal #21-6,  
Sec. 6, T. 9S, R. 17E  
Duchesne County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure. However, this may be completed as an oil well only.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer  
Office: 533-5771  
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-013-30584.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

Cleon B. Feight  
Director

CBF/db  
CC: USGS

NOTICE OF SPUD

Caller: Chuck Wilson, Diamond Shamrock

Phone: #266-1882

OCT 26 1981

Well Number: Allen Fed #2-4

Location: N<sup>2</sup>/<sub>4</sub> NW<sup>1</sup>/<sub>4</sub> Sec 6, T. 9S R. 17E

County: Duchene State: UT

Lease Number: 11-020252-A

Lease Expiration Date: \_\_\_\_\_

Unit Name (If Applicable): Allen Fed.

Date & Time Spudded: 2:30 PM. 10/20/81

Dry Hole Spudder/Rotary: \_\_\_\_\_

Details of Spud (Hole, Casing, Cement, etc.) 16 1/2" 8 5/8

Chang, set 250'

Rotary Rig Name & Number: Western Rig #1 9" Rotary

Approximate Date Rotary Moves In: 10/20/81

FOLLOW WITH SUNDRY NOTICE

Call Received By: Cindy

Date: 10/23/81 11:00 A.M.

cc: UT St. O & S  
USGS Vernal  
Well file  
TAM  
DSD  
APD Control

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ gas ☐  
well well other

2. NAME OF OPERATOR  
Diamond Shamrock Corporation

3. ADDRESS OF OPERATOR  
5730 W. Yellowstone Casper, Wyo. 82601

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1980' FWL, 660' FNL, NE/NW  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) Spud <input type="checkbox"/>	X

5. LEASE  
U-020252-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
Allen Federal

8. FARM OR LEASE NAME

9. WELL NO.  
21-6

10. FIELD OR WILDCAT NAME  
Monument Buttes

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 6, T9S, R17E S.L.B. &M.

12. COUNTY OR PARISH  
Duchesne

13. STATE  
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
5296' GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Spudded at 2:30 P.M. on 10-20-81 with a dry hole spudder (Western Rig #1) and drilled a 12 1/4" hole. On 10-22-81 moved a Rotary Rig (Western Rig #2) onto location and set 262' of 8 5/8" surface casing.

NOV 28 1981

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Charles H. Wilson TITLE Drlg. Engineer DATE 10-26-81

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
(FORM 9-329)  
(2/76)  
OMB 42-RO 356

MONTHLY REPORT  
OF  
OPERATIONS

Lease No. U - 020252-A  
Communitization Agreement No. NA  
Field Name Monument Butte  
Unit Name NA  
Participating Area NA  
County Duchesne State Utah  
Operator Diamond Shamrock Corporation  
☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of October, 19 81

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
21-6	6 NE/NW	9S	17E	DRG					Allen Federal 21-6  10/20/81 - Spud @ 2:30 P.M. Drill to 254'; Set 8 5/8" Casing @ 254 GL. Cement with 200 sxs. Release Rig. 10/21/81 - 10/25/81 - WORT

\*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLS)	Gas (MCF)	Water (BBLS)
*On hand, Start of Month	<u>XXXXXXXXXXXXXXXXXX</u>	<u>XXXXXXXXXXXXXXXXXX</u>	<u>XXXXXXXXXXXXXXXXXX</u>
*Produced	<u>XXXXXXXXXXXXXXXXXX</u>	<u>XXXXXXXXXXXXXXXXXX</u>	<u>XXXXXXXXXXXXXXXXXX</u>
*Sold	<u>XXXXXXXXXXXXXXXXXX</u>	<u>XXXXXXXXXXXXXXXXXX</u>	<u>XXXXXXXXXXXXXXXXXX</u>
*Spilled or Lost	<u>XXXXXXXXXXXXXXXXXX</u>	<u>XXXXXXXXXXXXXXXXXX</u>	<u>XXXXXXXXXXXXXXXXXX</u>
*Flared or Vented	<u>XXXXXXXXXXXXXXXXXX</u>	<u>XXXXXXXXXXXXXXXXXX</u>	<u>XXXXXXXXXXXXXXXXXX</u>
*Used on Lease	<u>XXXXXXXXXXXXXXXXXX</u>	<u>XXXXXXXXXXXXXXXXXX</u>	<u>XXXXXXXXXXXXXXXXXX</u>
*Injected	<u>XXXXXXXXXXXXXXXXXX</u>	<u>XXXXXXXXXXXXXXXXXX</u>	<u>XXXXXXXXXXXXXXXXXX</u>
*Surface Pits	<u>XXXXXXXXXXXXXXXXXX</u>	<u>XXXXXXXXXXXXXXXXXX</u>	<u>XXXXXXXXXXXXXXXXXX</u>
*Other (Identify)	<u>XXXXXXXXXXXXXXXXXX</u>	<u>XXXXXXXXXXXXXXXXXX</u>	<u>XXXXXXXXXXXXXXXXXX</u>
*On hand, End of Month	<u>XXXXXXXXXXXXXXXXXX</u>	<u>XXXXXXXXXXXXXXXXXX</u>	<u>XXXXXXXXXXXXXXXXXX</u>
*API Gravity/BTU Content	<u>XXXXXXXXXXXXXXXXXX</u>	<u>XXXXXXXXXXXXXXXXXX</u>	<u>XXXXXXXXXXXXXXXXXX</u>
Authorized Signature: <u>Wm. C. Sch...</u>	Address: <u>5730 W. Yellowstone, Casper, Wyoming</u>		
Title: <u>Dist. Drlg. Supt.</u>	Page <u>          </u> of <u>          </u>		

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

(FORM 9-329)

(2/76)

OMB 42-RO 356

MONTHLY REPORT  
OF  
OPERATIONS

Lease No. \_\_\_\_\_  
Communitization Agreement No. NA  
Field Name Monument Butte  
Unit Name NA  
Participating Area NA  
County Duchesne State Utah  
Operator Diamond Shamrock Corporation  
☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of November, 19 81

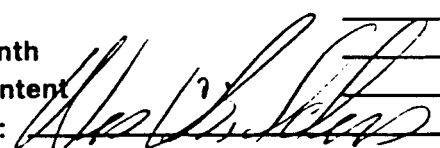
(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
21-6	6 NE/NW	9S	17E	DRG		10/26/81 - 11/7/81 - WORT 11/8/81 - RURT. Drill to 320' 11/9/81 - 11/22/81 - Drill from 320' to 5450' 11/23/81 - Logging. Drill to 5572'. WO/O 11/24/81 - Circ. Lay Down D.P. Run 5 1/2" Casing Set @ 5571' K.B. 11/25/81 - Cement with 1095 sxs. Release Rig.			Allen Fed. 21-6

\*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	_____	_____	_____
*Sold	_____	_____	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	_____	XXXXXXXXXXXXXXXXXX
*Used on Lease	_____	_____	XXXXXXXXXXXXXXXXXX
*Injected	_____	_____	_____
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	_____
*Other (Identify)	_____	_____	_____
*On hand, End of Month	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	_____	_____	XXXXXXXXXXXXXXXXXX
Authorized Signature: 	Address: <u>5730 W. Yellowstone, Casper, Wyoming</u>		
Title: <u>Dist. Dir. Supt.</u>	Page _____ of _____		

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

(FORM 9-329)

(2/76)

OMB 42-RO 356

MONTHLY REPORT  
OF  
OPERATIONS

Lease No. U-020252-A  
Communitization Agreement No. N/A  
Field Name Monument Butte  
Unit Name N/A  
Participating Area N/A  
County Duchesne State Utah  
Operator Diamond Shamrock Corporation

☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of December, 19 81

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
21-6	6 NE/NW	9S	17E	DRG					Allen Fed. 21-6
					11-26	thru 12-3 WOCT			
					12-4	P.U. 2 3/8" tubing and drill out DU tools			
					12-5	RIH and clean out to 5524'. Displace with KCL water. POOH and run CHL and Gamma Ray			
					12-6	Perforate. RIH and set Pkr. @ 5220' and acidize with 1500 gal. 7 1/2% HCL. POOH			
					12-7	Treated with 94,250 gal. 7 1/2% acid gel			
					12-8	Flow back frac. Perforate. RIH with bridge plug and packer. Pressure test			
					12-9	POOH and frac. with 40,100 gal. 7 1/2% acid gel			
					12-10	Flow back frac.			
					12-11	Flow back frac.			
					12-12	RIH and retrieve bridge plug. POOH. RIH			
					12-13	Circ. hole clean and nipple up tree			
					12-14	Swab test			
					12-15	Run rods and turn to Production.			

\*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLS)	Gas (MCF)	Water (BBLS)
*On hand, Start of Month		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced			
*Sold			XXXXXXXXXXXXXXXXXX
*Spilled or Lost		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX		XXXXXXXXXXXXXXXXXX
*Used on Lease			XXXXXXXXXXXXXXXXXX
*Injected			
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	
*Other (Identify)			
*On hand, End of Month		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content			XXXXXXXXXXXXXXXXXX
Authorized Signature: <u>[Signature]</u>	Address: <u>5730 W. Yellowstone Casper, Wy.</u>		
Title: <u>Dist. Drlg. Supt.</u>	Page _____ of _____		

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

(FORM 9-329)  
(2/76)  
OMB 42-RO 356

MONTHLY REPORT  
OF  
OPERATIONS

Lease No. 42-3865007  
Communitization Agreement No. \_\_\_\_\_  
Field Name Monument Butte  
Unit Name \_\_\_\_\_  
Participating Area \_\_\_\_\_  
County Duchesne State Utah  
Operator Diamond Shamrock Corporation  
☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of December, 19 81

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
21-6	GNE/W	9S	17E	<del>Old</del>	13	990.60	-0-	252	New Well

COPY

\*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	None	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	990.60	None	252
*Sold	753.26	None	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	None	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	NA	XXXXXXXXXXXXXXXXXX
*Used on Lease	None	NA	XXXXXXXXXXXXXXXXXX
*Injected	None	None	None
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	252
*Other (Identify)	None	None	None
*On hand, End of Month	237.34	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	32.6	NA	XXXXXXXXXXXXXXXXXX

Authorized Signature: Seal Bland Address: P.O. Box 631, Amarillo, Texas 79173  
Title: Clerk



STATE OF UTAH  
NATURAL RESOURCES & ENERGY  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

January 5, 1982

Diamond Shamrock Corp.  
85 South 200 East  
Vernal, Utah 84078

Re: See attached

Gentlemen:

Our records indicate that you have not filed the monthly drilling reports for the months indicated above on the subject wells.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1B, (U. S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

Your prompt attention to the above will be greatly appreciated.

Very truly yours.

DIVISION OF OIL, GAS AND MINING

Cari Furse  
Clerk Typist



Well No. Allen Federal #43-6  
Sec. 6, T. 9S, R. 17E  
Duchesne County, Utah  
( October 9181- November 1981)

Well No. Allen Federal #34-6  
Sec. 6, T. 9S, R. 17E  
Duchesne County, UTah  
(November 1981)

Well No. Allen Federal 21-6  
Sec. 6, T. 9S, R. 17E  
Duchesne County, Utah  
( November 1981)

Well No. Castle Peak #31-15  
Sec. 15, T. 9S, R. 16E  
Duchesne County, Utah  
( November 1981)

Well No. Coyote Basin Fed. #34-12  
Sec. 12, T. 8S, R. 24E  
Uintah County, Utah  
( November 1981)

**\* (See Instructions and Spaces for Additional Data on Reverse Side)**

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29:** "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
				Mahogany	1584'	
				Douglas Crk. 5	4936'	
				Douglas Crk. 4	5093'	
				Douglas Crk. 3	5224'	
				Douglas Crk. 2	5252'	
				Douglas Crk.	5264'	



STATE OF UTAH  
NATURAL RESOURCES & ENERGY  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

February 19, 1982

Diamond Shamrock Corporation  
5730 West Yellowstone.  
Casper, Wyoming 82601

Re: Well No. Allen Federal 21-6  
Sec. 6, T. 9S, R. 17E  
Duchesne County, Utah

Gentlemen:

According to our records, a "Well Completion Report" filed with this office January 8, 1982, from above referred to well, indicates the following electric logs were run: DIL-SFL, GR-BHS Sonic, FDC-CNL, CBL. As of todays date, this office has not received these logs: GR-BHC Sonic, FDC-CNL.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the elctric and radioactivity logs.

Your prompt attention to the above will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cari Furse  
Clerk Typist



STATE OF UTAH  
NATURAL RESOURCES & ENERGY  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

June 14, 1982

Diamond Shamrock Corporation  
5730 West Yellowstone  
Casper, Wyoming 82601

Re: Well No. Allen Federal #21-6  
Sec. 6, T. 9S, R. 17E.  
Duchesne County, Utah

Gentlemen:

Our office contacted you on February 19, 1982, requesting that you send in the electric logs for the above referred to well.

According to our records, a "Well Completion Report" filed with this office January 8, 1982, from above referred to wells, indicates the following electric logs were run: DIL-SFL, GR-BHC Sonic, FDC-CNL, CBL. As of today's date, this office has not received these logs: GR-BHC Sonic.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

**\*\*You are in violation of the above rule. If we do not receive the above log within fifteen (15) days, we will turn this file over to the Attorney at the Division of Oil, Gas and Mining for legal action and we will not approve any more applications from your company.**

Your prompt attention to the above will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cari Furse  
Clerk Typist

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ gas ☐  
well well other

2. NAME OF OPERATOR

DIAMOND SHAMROCK CORPORATION

3. ADDRESS OF OPERATOR

P. O. DRAWER "E", VERNAL, UTAH 84078

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1980' FEL & 660' FNL

AT TOP PROD. INTERVAL: SAME

AT TOTAL DEPTH: SAME

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON\* ☐

(other) Establish Materials Yard

5. LEASE  
U-020252A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
ALLEN FEDERAL

9. WELL NO.

21-6

10. FIELD OR WILDCAT NAME

MONUMENT BUTTE

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

SEC. 6, T9S, R17E

12. COUNTY OR PARISH

DUCHESNE

13. STATE

UTAH

14. API NO.

43-013-30584

15. ELEVATIONS (SHOW DF, KDB, AND WD)

5296' GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

DIAMOND SHAMROCK CORPORATION requests approval to establish a materials yard with the dimensions 100' x 150' in the northeast corner of the existing location of the subject well. A minimal amount of tubing and sucker rods will be stored within a fenced and locked yard. Also, within the yard will be a portable building used to store fittings, valves and miscellaneous parts, as well as a workplace for pumpers to do their paperwork.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED

Jeff H. Romk

TITLE Dril&Prod Engineer

DATE 11-2-82

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well ☒ gas well ☐ other
2. NAME OF OPERATOR  
DIAMOND CHEMICAL CO. (formerly DIAMOND SHAMROCK)
3. ADDRESS OF OPERATOR  
P.O. Drawer "E", Vernal, Utah 84078
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE:  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

- | REQUEST FOR APPROVAL TO:             |                                     | SUBSEQUENT REPORT OF:    |
|--------------------------------------|-------------------------------------|--------------------------|
| TEST WATER SHUT-OFF                  | <input type="checkbox"/>            | <input type="checkbox"/> |
| FRACTURE TREAT                       | <input type="checkbox"/>            | <input type="checkbox"/> |
| SHOOT OR ACIDIZE                     | <input type="checkbox"/>            | <input type="checkbox"/> |
| REPAIR WELL                          | <input type="checkbox"/>            | <input type="checkbox"/> |
| PULL OR ALTER CASING                 | <input type="checkbox"/>            | <input type="checkbox"/> |
| MULTIPLE COMPLETE                    | <input type="checkbox"/>            | <input type="checkbox"/> |
| CHANGE ZONES                         | <input type="checkbox"/>            | <input type="checkbox"/> |
| ABANDON*                             | <input type="checkbox"/>            | <input type="checkbox"/> |
| (other) <u>lay surface gas lines</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

5. LEASE  
U-020252A ✓
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME  
ALLEN FEDERAL ✓
9. WELL NO.
10. FIELD OR WILDCAT NAME  
Monument Butte Field
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 6, T9S, R17E
12. COUNTY OR PARISH  
Duchesne
13. STATE  
Utah
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

DIAMOND CHEMICAL COMPANY requests permission to lay a dry gas distribution system to all wells within federal lease U-020252A. These dry gas lines will be 1" and 2" polyethylene pipe and will be laid parallel to the existing wet gas gathering system as shown on the attached topo map. Approximate pressure will be 50 psig.

These lines will be laid along lease and access roads wherever possible, will be cased and buried at road crossings, and will not create a surface disturbance.

The laying of these lines will allow DIAMOND CHEMICAL to severely reduce the amount of downtime we are now experiencing caused by the condensation of liquids in fuel gas lines on existing locations & thus increase oil & gas production from this lease.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

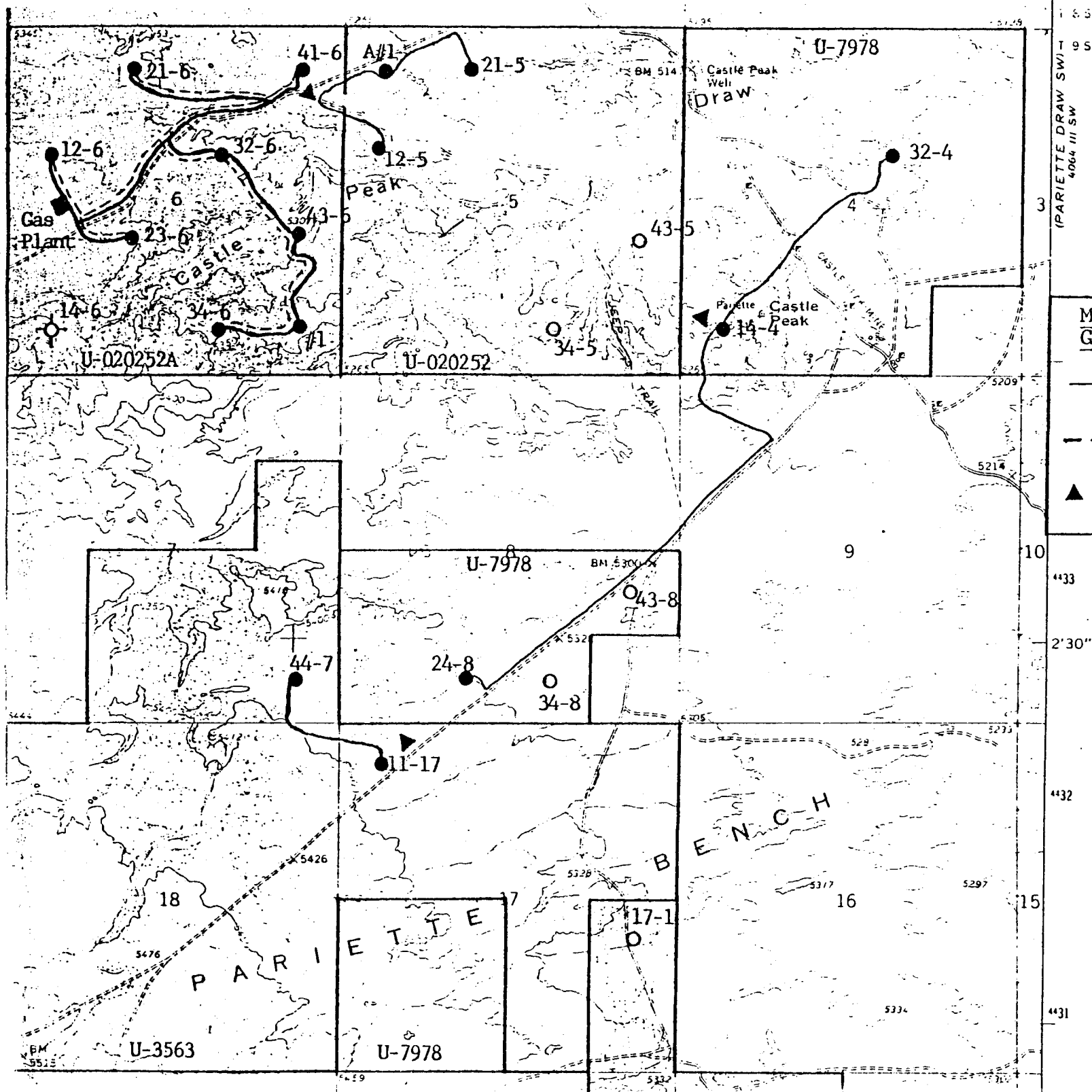
18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Production Engineer DATE 9-12-83  
Jeff H. Ronk

(This space for Federal or State official use)  
APPROVED BY THE STATE  
OF UTAH DIVISION OF

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

OIL, GAS, AND MINING  
DATE: 9/15/83  
BY: [Signature]



**MONUMENT BUTTE FIELD  
GAS GATHERING SYSTEM**

- Existing Gas Line
- - - Proposed Gas Line
- ▲ Proposed Metering Facility



Maxus Energy Corporation  
LTV Center  
2001 Ross Avenue  
Dallas, Texas 75201  
214 979-2800

RECEIVED  
JUN 05 1987

060810

DIVISION OF  
OIL, GAS & MINING

June 2, 1987

**MAXUS**

Utah Division of Oil, Gas & Mining  
Attn: Norm Stout  
355 W. North Temple  
3 Triad Center, Suite 350  
Salt Lake City, UT 84180-1203

Dear Mr. Stout,

Regarding your request for information concerning the change of name of our company from Diamond Shamrock Exploration, to Maxus Exploration Company:

1. New replacement bond is being taken care of by Sherry Neally (214) 953-2858, and will be mailed to you shortly by Judy Tate (806) 378-3876.
2. Contact names will remain the same - Kaleb Leake (307) 266-1882, Maxus Exploration Company, P.O. Box 2530, Mills, WY 82644, for drilling and permitting; Pat Cote (214) 979-2822, at the letterhead address, for production and disposition reporting.
3. I am enclosing a copy of our most recent production report. This is a complete list of all wells to be affected by the name change.
4. The name change is effective 4-28-87. All name change notices are being handled by Dick Smith in our Legal Department (214) 953-2979. He assures us that the notices will be sent out in a few days.
5. There are no changes in the division of interest on any of the attached wells, therefore all entity numbers will remain the same.

Thank you for your patience in this matter, and please contact me if there is any other information needed.

Sincerely,

*Pat Cote*

Pat Cote  
Production Clerk, Oil Revenue  
Maxus Exploration  
(214) 979-2822

COMPANY: MAXUS EXPLORATION CO UT ACCOUNT #            SUSPENSE DATE: 6-10-87  
(FORMERLY DIAMOND SHAMROCK EXPLORATION CO)

TELEPHONE CONTACT DOCUMENTATION

CONTACT NAME: PAT COTE (PAT PRONOUNCES HER NAME "COTTEE")

CONTACT TELEPHONE NO.: (214) 777-2822

SUBJECT: OPERATOR CHANGE - DIAMOND SHAMROCK EXPLORATION CO TO MAXUS EXPL CO.

(Use attachments if necessary)

RESULTS: PAT SAID SHE WOULD PROVIDE: LTR OF EXPLANATION FOR 1) EFFECTIVE DATE,  
2) BONDING, 3) ENTITY REVIEW, 4) WELLS IN QUESTION, 5) ADDRESS & TEL  
FOR BOTH DRILLING AND PRODUCTION CONTACT PEOPLE,

SHE WILL USE COPY A SUPPLEMENTED COPY OF TAD TO IDENTIFY ALL  
WELLS, INCLUDING DRILLING AND INJECTION

(Use attachments if necessary)

CONTACTED BY: Yorum

DATE: 6-2-87



UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut  
84180-1203. • (801-538-5340)

DOGM 56-64-2  
an equal opportunity employee

Page 1 of 6

## MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• DIAMOND SHAMROCK EXPL.  
2001 ROSS AVE #1500  
DALLAS TX 75201  
ATTN: PAT COTE

RECEIVED  
JUN 05 1987

Utah Account No. N0340

Report Period (Month/Year) 4 / 87

Amended Report ☐

DIVISION OF  
OIL, GAS & MINING

Well Name				Producing Zone	Days Oper	Production Volume		
API Number	Entity	Location				Oil (BBL)	Gas (MSCF)	Water (BBL)
X 4301315779	01110 09S 17E 6			GRRV	23	71	238	-0-
X 4304720252	01112 08S 25E 5			GRRV	-0-	-0-	-0-	-0-
X 4301315780	01115 09S 17E 5			GRRV	-0-	-0-	-0-	-0-
X 4301330558	01120 09S 17E 6			GRRV	30	225	1825	7
X 4301330559	01120 09S 17E 6			GRRV	30	115	925	-0-
X 4301330581	01120 09S 17E 6			GRRV	30	321	2838	-0-
X 4301330583	01120 09S 17E 6			GRRV	30	199	1705	26
X 4301330584	01120 09S 17E 6			GRRV	30	230	1234	-0-
X 4301330586	01120 09S 17E 6			GRRV	30	209	1577	8
X 4301330918	01120 09S 17E 6			GRRV	30	125	1047	-0-
X 4301330919	01120 09S 17E 6			GRRV	30	186	2692	8
X 4301330611	01125 09S 17E 5			GRRV	30	230	1186	-0-
X 4301330582	01135 09S 17E 6			GRRV	30	556	2595	3
TOTAL						2467	17862	52

Comments (attach separate sheet if necessary) \_\_\_\_\_

I have reviewed this report and certify the information to be accurate and complete.

Date 6-2-87

Pat Cote  
Authorized signature

Telephone (214) 979-2822



# BALCRON OIL

A Division of  
Equitable Resources Energy Company

P.O. Box 21017  
1601 Lewis Avenue Building  
Billings, Montana 59104  
(406) 259-7860

RECEIVED

OCT 09 1991

DIVISION OF  
OIL GAS & MINING

October 8, 1991

-- VIA FEDERAL EXPRESS --

Lisha Romero  
State of Utah  
Division of Oil, Gas & Mining  
355 West North Temple  
Salt Lake City, UT 84180

Dear Lisha:

Enclosed are sundry notices for Change of Operator for the wells on the enclosed list. These wells are currently operated by Maxus Exploration Company and are being transferred to:

Balcron Oil  
P.O. Box 21017  
Billings, MT 59104

The transfer is effective November 1, 1991.

If there is any other information you need or if you have any questions, please give me a call.

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Coordinator of Operations,  
Environmental, and Regulatory Affairs

/rs

Enclosures

cc: James M. Pachulski, Maxus Exploration Company

*Thanks for all  
your help, Lisha.*

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> <small>(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)</small>		5. LEASE DESIGNATION & SERIAL NO. <b>SEE ATTACHED LIST</b>	
1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR <b>EQUITABLE RESOURCES ENERGY COMPANY</b>		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR <b>P.O. Box 21017; Billings, MT 59104 (406)259-7860</b>		8. FARM OR LEASE NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface  At proposed prod. zone <b>SEE ATTACHED LIST</b>		9. WELL NO.	
14. API NO.		15. ELEVATIONS (Show whether OF, RT, GR, etc.)	
12. COUNTY		13. STATE	

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
(Other) _____	Change of Operator <input checked="" type="checkbox"/>	DATE OF COMPLETION _____	
APPROX. DATE WORK WILL START _____			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

\* Must be accompanied by a cement verification report.

Effective November 1, 1991, the operator of this well will change from Maxus Exploration Company

TO: EQUITABLE RESOURCES ENERGY COMPANY  
P.O. Box 21017  
Billings, MT 59104

Effective November 1, 1991, Equitable Resources Energy Company is responsible under the terms and conditions of the lease for operations conducted on the leased lands or a portion thereof under Bureau of Land Management Bond #5547188 issued by Safeco Insurance Co.

**RECEIVED**

OCT 09 1991

DIVISION OF  
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED _____	TITLE <b>Attorney-in-Fact</b>	DATE <b>October 8, 1991</b>
<small>(This space for Federal or State office use)</small>		
APPROVED BY _____	TITLE _____	DATE _____
CONDITIONS OF APPROVAL, IF ANY:		

See Instructions On Reverse Side

Maxus Exploration Com  
P.O. Box 2530  
Mills, Wyoming 82644  
307 266-1882

RECEIVED

OCT 10 1991

DIVISION OF  
OIL GAS & MINING

**MAXUS**

October 7, 1991

State of Utah  
Division of Oil & Gas  
3 Triad Center, Ste. 350  
Salt Lake City, Utah 84180

Re: Operator Transfer of Maxus  
Exploration Company Wells

Dear Sir:

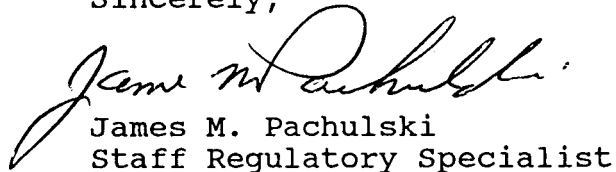
Attached is a list of wells within the State of Utah currently operated by Maxus Exploration Company. These wells are in the process of being transferred to a new operator:

Balcron Oil  
P.O. Box 21017  
Billings, Montana 59104  
Attn: Bobbie Schuman  
Coordinator of Environmental and Regulatory  
Affairs (406) 259-7860

The transfer will become effective on November 1, 1991. Individual Sundry notices for each well will be forwarded to the BLM with a copy to the State of Utah by Balcron Oil in the near future. These Sundry Notices will include the bond number, effective date and a statement agreeing to be responsible under the terms and conditions of the lease.

Please contact the undersigned if there are any questions. Thank you.

Sincerely,

  
James M. Pachulski  
Staff Regulatory Specialist

JMP:ka

cc: Balcron Oil

Maxus Energy Corporation  
717 North Harwood Street  
Dallas, Texas 75201  
214 953-2000

11/1/91

**MAXUS**

TO: INTEREST OWNERS

SALES OF WELLS

MAXUS HAS SOLD ALL THEIR NORTH DAKOTA, MONTANA, UTAH, AND  
WYOMING (EXCEPT ALPHA FIELD in WYOMING) EFFECTIVE 11/1/91.

TO: BALCON OIL & GAS CO

P. O. BOX 21017

BILLINGS, MT 59104

PRODUCTION DEPT / JENICE FUGERE

PH: 406/259-7860

IT IS MY UNDERSTANDING THAT MAXUS WILL OPERATE THESE WELLS UNTIL  
NOVEMBER 1, 1991, ~~BUT THAT IS SUBJECT TO CHANGE~~. I JUST WANTED TO  
GIVE YOU THEIR NAME AND ADDRESS.

*Nancy Lawrence*

Nancy Lawrence / 214/953-2177

Oil Accounting

RECEIVED

NOV 29 1991

DIVISION OF  
OIL GAS & MINING



# United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
VERNAL DISTRICT OFFICE  
170 SOUTH 500 EAST  
VERNAL, UTAH 84078



IN REPLY REFER TO:

3162.3  
UT08438

JAN 02 1992

Equitable Resources Energy Company  
Attn: Bobbie Schuman  
P.O. Box 21017  
Billings, Montana 59104

43-012-30584  
Re: Well No. Allen Federal 21-6  
NENW, Sec. 6, T9S, R17E  
Lease U-020252-A  
Uintah County, Utah

Dear Ms. Schuman:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, Equitable Resources Energy Company is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. MT0576, for all operations conducted on the referenced well on the leased land.

If you have any other questions concerning this matter, please contact Ed Forsman of this office at (801) 789-1362.

Sincerely,

Howard B. Cleavinger II  
Assistant District Manager for Minerals

cc: Maxus Exploration Company

RECEIVED

JAN 06 1992

DIVISION OF  
OIL, GAS & MINING



1- LCR
2- DTS
3- VLC
4- RJF
5- RWM
6- ADA 7- LCR

Attach all documentation received by the division regarding this change.  
Initial each listed item when completed. Write N/A if item is not applicable.

☒ Change of Operator (well sold)  
Designation of Operator

☐ Designation of Agent  
☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 11-1-91)

TO (new operator) BALCRON OIL  
(address) P. O. BOX 21017  
1601 LEWIS AVENUE BUILDING  
BILLINGS, MT 59104  
phone (406) 259-7860  
account no. N9890 (12-5-91)

FROM (former operator) MAXUS EXPLORATION COMPANY  
(address) 717 N. HARWOOD, STE 2900  
DALLAS, TX 75201.  
JAMES PACHULSKI (WYO)  
phone (307) 266-1882  
account no. N 0865

Well(s) (attach additional page if needed):

Name: <b>**SEE ATTACHED**</b>	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

# OPERATOR CHANGE DOCUMENTATION

1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 10-10-91)*
2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec'd 10-9-91)*
3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) If yes, show company file number: dba 097441. *(Owned by Equitable Resources Energy Company # 134640)*
4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(1-10-92)*
6. Cardex file has been updated for each well listed above. *(1-13-92)*
7. Well file labels have been updated for each well listed above. *(1-13-92)*
8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(1-10-92)*
9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

TY REVIEW

1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

VERIFICATION (Fee wells only)

1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date                      19    . If yes, division response was made by letter dated                      19    .

INTEREST OWNER NOTIFICATION RESPONSIBILITY

1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated                      19    , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
2. Copies of documents have been sent to State Lands for changes involving State leases.

ING

1. All attachments to this form have been microfilmed. Date:                      19    .

NG

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

ENTS

- 2007 Btm/Vernal "No documentation as of yet."
- 11025 Btm/Vernal "Have documentation - not approved as of yet." Will notify DiGem when approved.
- 111125 Btm/Vernal " " "
- 111231 Btm/Vernal " " "
- 720110 Baleron/Bobby Schuman Reg. Transfer of Authority to Inject "Parde He Bench Unit #4" and 34-35 Sundry for operator change "Pistoleak St. 43-116."



UTAH  
NATURAL RESOURCE  
Oil, Gas & Mining

355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut  
84180-1203. • (801-538-5340)

Page 1 of 5

## MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• ATTN NANCY LAWRENCE  
MAXUS EXPLORATION COMPANY  
717 N. HARWOOD, STE 2900  
DALLAS TX 75201-

Utah Account No. \_\_\_\_\_

N0865

Report Period (Month/Year) \_\_\_\_\_

12 / 91

Amended Report ☐

Well Name API Number Entity Location	Producing Zone	Days Oper	Production Volume		
			Oil (BBL)	Gas (MSCF)	Water (BBL)
MONMNT BUTTE 1-34					
✓ 4301330736 00030 09S 16E 1	GRRV				
MONMNT BUTTE 1-24					
✓ 4301330701 00050 09S 16E 1	GRRV				
ALLEN FEDERAL #1					
✓ 4301315779 01110 09S 17E 6	GRRV				
ALLEN FEDERAL A-1					
✓ 4301315780 01115 09S 17E 5	GRRV				
ALLEN FEDERAL 23-6					
✓ 4301330558 01120 09S 17E 6	GRRV				
ALLEN FEDERAL 32-6					
✓ 4301330559 01120 09S 17E 6	GRRV				
ALLEN FEDERAL 41-6					
✓ 4301330581 01120 09S 17E 6	GRRV				
ALLEN FEDERAL 43-6					
✓ 4301330583 01120 09S 17E 6	GRRV				
ALLEN FEDERAL 21-6					
✓ 4301330584 01120 09S 17E 6	GRRV				
ALLEN FEDERAL 34-6					
✓ 4301330586 01120 09S 17E 6	GRRV				
ALLEN FEDERAL 13-6					
✓ 4301330918 01120 09S 17E 6	GRRV				
ALLEN FEDERAL 22-6					
✓ 4301330919 01120 09S 17E 6	GRRV				
ALLEN FEDERAL 12-5					
✓ 4301330611 01125 09S 17E 5	GRRV				
TOTAL					

Comments (attach separate sheet if necessary) \_\_\_\_\_

I have reviewed this report and certify the information to be accurate and complete. Date \_\_\_\_\_

Authorized signature \_\_\_\_\_ Telephone \_\_\_\_\_



EQUITABLE RESOURCES ENERGY COMPANY,  
BALCRON OIL DIVISION

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104  
(406) 259-7860  
FAX: (406) 245-1364

March 4, 1993

State of Utah  
Uintah County  
152 East 100 North  
Vernal, UT 84078

Gentlemen:

Effective March 1, 1993, the name of our company has changed from Balcron Oil Company to Equitable Resources Energy Company, Balcron Oil Division.

Please make the necessary changes in your records and let me know if there is anything else we need to do in order to effect the change for the 1993 Uintah County Business License.

Sincerely,

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

RECEIVED

MAR 08 1993

DIVISION OF  
OIL GAS & MINING

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing:

1	DEC 7-1993
2	DTS 11-8-DEC
3	VLC
4	RJF
5	RWM
6	ADA

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

☐ Change of Operator (well sold)      ☐ Designation of Agent  
☐ Designation of Operator      ☒ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 3-1-93)

TO (new operator)	<u>EQUITABLE RESOURCES ENERGY CO FROM</u>	(former operator)	<u>BALCRON OIL</u>
(address)	<u>BALCRON OIL DIVISION</u>	(address)	<u>PO BOX 21017</u>
	<u>PO BOX 21017</u>		<u>BILLINGS MT 59104</u>
	<u>BILLINGS MT 59104</u>		
	phone ( <u>406</u> ) <u>259-7860</u>		phone ( <u>406</u> ) <u>259-7860</u>
	account no. <u>N 9890</u>		account no. <u>N9890</u>

Well(s) (attach additional page if needed):

Name: <b>**ALL WELLS**</b>	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- N/A 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- See 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (filed 3-8-93)
- See 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: 134640.
- \* 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (3-19-93)
- See 6. Cardex file has been updated for each well listed above. (3-19-93)
- See 7. Well file labels have been updated for each well listed above. (3-19-93)
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (3-19-93)
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

## ENTITY REVIEW

1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) \_\_\_\_ (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

## BOND VERIFICATION (Fee wells only) \*930319 Rec'd bond rider eff. 3-4-93.

1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond. #5578314/80,000 Belton Oil, A Division of Equitable Resources Energy Company.
2. A copy of this form has been placed in the new and former operators' bond files. \*Upon completion of routing.
3. The former operator has requested a release of liability from their bond (yes/no) \_\_\_\_\_. Today's date \_\_\_\_\_ 19\_\_\_\_. If yes, division response was made by letter dated \_\_\_\_\_ 19\_\_\_\_.

## LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated \_\_\_\_\_ 19\_\_\_\_, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
2. Copies of documents have been sent to State Lands for changes involving State leases. see comments below

## MICROFILMING

1. All attachments to this form have been microfilmed. Date: March 30 1993.

## FILED

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

## COMMENTS

930308 Bm 15.2. No change necessary, they always recognized company name as "Equitable Resources Energy Company, Belton Oil Division".

# MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• DAWN SCHINDLER  
BALCRON OIL  
PO BOX 21017  
BILLINGS MT 59104

Utah Account No. N9890

Report Period (Month/Year) 1 / 93

Amended Report ☐

Well Name			Producing Zone	Days Oper	Production Volume		
API Number	Entity	Location			Oil (BBL)	Gas (MSCF)	Water (BBL)
MONMNT BUTTE 1-34							
4301330736	00030 09S 16E 1		GRRV				
MONMNT BUTTE 1-24							
4301330701	00050 09S 16E 1		GRRV				
ALLEN FEDERAL #1							
4301315779	01110 09S 17E 6		GRRV				
ALLEN FEDERAL 23-6							
4301330558	01120 09S 17E 6		GRRV				
ALLEN FEDERAL 32-6							
4301330559	01120 09S 17E 6		GRRV				
ALLEN FEDERAL 41-6							
4301330581	01120 09S 17E 6		GRRV				
ALLEN FEDERAL 43-6							
4301330583	01120 09S 17E 6		GRRV				
ALLEN FEDERAL 21-6							
4301330584	01120 09S 17E 6		GRRV				
ALLEN FEDERAL 34-6							
4301330586	01120 09S 17E 6		GRRV				
ALLEN FEDERAL 13-6							
4301330918	01120 09S 17E 6		GRRV	W/W			
ALLEN FEDERAL 22-6							
4301330919	01120 09S 17E 6		GRRV	W/W			
ALLEN FEDERAL 12-5							
4301330611	01125 09S 17E 5		GRRV				
ALLEN FEDERAL 12-6							
4301330582	01135 09S 17E 6		GRRV				
TOTAL							

Comments (attach separate sheet if necessary) \_\_\_\_\_

I have reviewed this report and certify the information to be accurate and complete. Date \_\_\_\_\_

Authorized signature \_\_\_\_\_ Telephone \_\_\_\_\_

**RECEIVED**

SEP 20 1993

OPERATOR Balcron Oil  
ADDRESS P.O. Box 21017  
Billings MT 59104

OPERATOR ACCT. NO. H 9890

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NO. DIVISION OF OIL, GAS & MINING	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
D	01135	11492	4301330582	AF 12-6	NW	6	9S	17E	Duchesne		7/1/93
WELL 1 COMMENTS: Jonah Unit											
D	01120	11492	4301330918	AF 13-6	NW	6	9S	17E	Duchesne		7/1/93
WELL 2 COMMENTS:											
D	01120	11492	4301330584	AF 21-6	Lot 3	6	9S	17E	Duchesne		7/1/93
WELL 3 COMMENTS:											
D	01120	11492	4301330919	AF 22-6	SE	6	9S	17E	Duchesne		7/1/93
WELL 4 COMMENTS:											
D	01120	11492	4301330558	AF 23-6	NE	6	9S	17E	Duchesne		7/1/93
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

Dawn Schindler  
Signature  
Prod. Acct  
Title  
9-15-93  
Date  
Phone No. 406 259-7860





**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

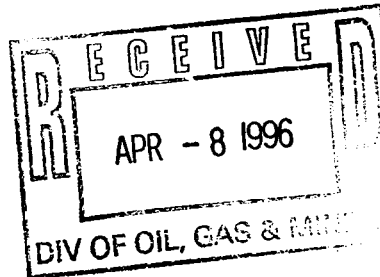
**BALCRON OIL DIVISION**

1601 Lewis Avenue  
Billings, MT 59102

Office: (406) 259-7860  
FAX: (406) 245-1365 ☐  
FAX: (406) 245-1361 ☒

March 22, 1996

Utah Division of Oil, Gas and Mining  
355 West North Temple  
Salt Lake City, UT 84180



Gentlemen:

Effective April 1, 1996, our name will change from Equitable Resources Energy Company, Balcron Oil Division to Equitable Resources Energy Company. Attached is a sundry notice reflecting that change. To simplify paperwork, I have done one sundry notice with copies for each of the wells. To this letter I have attached a list of our wells for your ease in filing the sundry notices in the well files. This should be sufficient for your purposes.

I have the listings on a spreadsheet so if it would be easier for you to have them sorted differently (for example, the Montana Board of Oil and Gas prefers them sorted by API number), please give me a call at (406) 259-7860, extension 240 and I would be glad to provide a list to your specifications.

This change affects only our company name. The physical locations of our offices and the personnel remain the same. We will be changing our well signs and ask for your patience and cooperation as this will be done as soon as possible but may take some time since we do have so many properties at which to make the change.

If you have any questions, please do not hesitate to give me a call.

Sincerely,

*Bobbie Schuman*  
Bobbie Schuman  
Regulatory and  
Environmental Specialist

/hs

Enclosures

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☐ OTHER: See attached listing

2. Name of Operator:  
Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone Number:  
1601 Lewis Avenue Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well  
Footages: See attached listing

QQ, Sec., T., R., M.:

5. Lease Designation and Serial Number:  
See attached listing

6. If Indian, Allottee or Tribe Name:  
n/a

7. Unit Agreement Name:  
See attached listing

8. Well Name and Number:  
See attached listing

9. API Well Number:  
See attached listing

10. Field and Pool, or Wildcat:  
See attached listing

County: See attached list

State: UTAH

### 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

#### NOTICE OF INTENT (Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon                   | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Recomplete           |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Reperforate          |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion       | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____               |   |

Approximate date work will start \_\_\_\_\_

#### SUBSEQUENT REPORT (Submit Original Form Only)

- |   |   |
|---|---|
| <input type="checkbox"/> Abandon *                                    | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing                                | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                              | <input type="checkbox"/> Reperforate          |
| <input type="checkbox"/> Convert to Injection                         | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize                    | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>Operator name change</u> |   |

Date of work completion \_\_\_\_\_

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

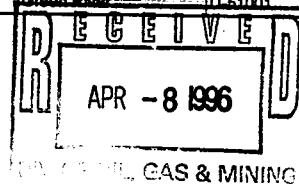
Effective April 1, 1996, operator will change its name from Equitable Resources Energy Company, Balcron Oil Division TO: Equitable Resources Energy Company. Physical location of the operator remains as: 1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860, FAX: (406) 145-1361. This is to report the operator name change only. It affects the wells on the attached listing.

13. Name & Signature: Bobbie Schuman  
Bobbie Schuman

Title: Regulatory and Environmental Specialist Date: March 27, 1996

(This space for State use only)

03/27/96														
Revised 3/20/96														
EQUITABLE REOURCES ENERGY COMPANY, WESTERN REGION-OPERATED WELL LIST														
(CURRENT)														
										ST = State				
										FED. OR STATE				
WELL NAME	FIELD	QTR/QTR	SEC.	TWP.	RANGE	COUNTY	ST.	STATUS	ZONE	LEASE NO.	API NUMBER	FOOTAGES	BLM OFFI	UNIT OR WELL FILE NO.
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
A. Anderson State #1-16	Monument Butte	SW SW	16	9S	17E	Duchesne	UT	Oil (SI)	Green River	ML-3453	43-013-15582	660' FSL, 560' FWL		Beluga
Allen Federal #1-6	Monument Butte	SE SE	6	9S	17E	Duchesne	UT	WWV	Green River	U-020252-A	43-013-15779	660' FSL, 660' FEL	Vernal	Jonah
Allen Federal #12-5	Monument Butte	SW NW	5	9S	17E	Duchesne	UT	Oil	Green River	U-020252	43-013-30611	1980' FNL, 660' FWL	Vernal	Jonah
Allen Federal #12-6	Monument Butte	SW NW	6	9S	17E	Duchesne	UT	Oil	Green River	U-020252-A	43-013-30582	1980' FNL, 604' FWL	Vernal	Jonah
Allen Federal #13-6	Monument Butte	NW SW	6	9S	17E	Duchesne	UT	WWV	Green River	U-020252-A	43-013-30918	2070' FSL, 578' FWL	Vernal	Jonah
Allen Federal #21-5	Monument Butte	NE NW	5	9S	17E	Duchesne	UT	Oil	Green River	U-020252	43-013-30612	660' FNL, 1980' FWL	Vernal	Jonah
Allen Federal #21-6	Monument Butte	NE NW	6	9S	17E	Duchesne	UT	Oil	Green River	U-020252-A	43-013-30584	660' FNL, 1980' FWL	Vernal	Jonah
Allen Federal #22-6	Monument Butte	SE NW	6	9S	17E	Duchesne	UT	WWV	Green River	U-020252-A	43-013-30919	2141' FNL, 1902' FWL	Vernal	Jonah
Allen Federal #23-6	Monument Butte	NE SW	6	9S	17E	Duchesne	UT	Oil	Green River	U-020252-A	43-013-30558	1980' FSL, 1980' FWL	Vernal	Jonah
Allen Federal #31-6	Monument Butte	NW NE	6	9S	17E	Duchesne	UT	WWV	Green River	U-020252-A	43-013-31195	660' FNL, 1980' FEL	Vernal	Jonah
Allen Federal #32-6	Monument Butte	SW NE	6	9S	17E	Duchesne	UT	Oil	Green River	U-020252-A	43-013-30559	1980' FNL, 1980' FEL	Vernal	Jonah
Allen Federal #34-6	Monument Butte	SW SE	6	9S	17E	Duchesne	UT	Oil	Green River	U-020252-A	43-013-30586	662' FSL, 2075' FEL	Vernal	Jonah
Allen Federal #41-6	Monument Butte	NE NE	6	9S	17E	Duchesne	UT	Oil	Green River	U-020252-A	43-013-30581	661' FNL, 655' FEL	Vernal	Jonah
Allen Federal #43-6	Monument Butte	NE SE	6	9S	17E	Duchesne	UT	Oil	Green River	U-020252-A	43-013-30583	1980' FSL, 660' FEL	Vernal	Jonah
Allen Federal A #1	Monument Butte	NW NW	5	9S	17E	Duchesne	UT	Oil	Green River	U-020252	43-013-15780	660' FNL, 660' FWL	Vernal	Jonah
Amerada Guinand #1	Coyote Basin	SW NW	7	8S	25E	Uintah	UT	WWV	Green River	U-016271-V	43-047-20245	1920' FNL, 550' FWL	Vernal	Coyote Basin
Asp Federal #1	Wildcat	C/SW	12	16S	19W	Millard	UT	PND	Paleozoic	UTU-69960		1320' FSL, 1320' FWL	Richfield	
Balcron Allen Fed. #31-6G	Monument Butte	NW NE	6	9S	17E	Duchesne	UT	Gas	Green River	U-020252-A	43-013-31442	708' FNL, 2076' FEL	Vernal	
Balcron Coyote Fed. #12-5	Coyote Basin	SW NW	5	8S	25E	Uintah	UT	OSI	Green River	U-063597-A	43-047-32253	1980' FNL, 660' FWL	Vernal	Coyote Basin
Balcron Coyote Fed. #13-5	Coyote Basin	NW SW	5	8S	25E	Uintah	UT	Oil	Green River	U-063597-A	43-047-32261	1605' FSL, 586' FWL	Vernal	Coyote Basin
Balcron Coyote Fed. #13-7	Coyote Basin	NW SW	7	8S	25E	Uintah	UT	Oil	Green River	U-41377	43-047-32255	1980' FSL, 660' FWL	Vernal	Coyote Basin
Balcron Coyote Fed. #21-5	Coyote Basin	NE NW	5	8S	25E	Uintah	UT	Oil	Green River	U-063597-A	43-047-32260	660' FNL, 1980' FWL	Vernal	Coyote Basin
Balcron Coyote Fed. #22-7	Coyote Basin	SE NW	7	8S	25E	Uintah	UT	Oil	Green River	U-41377	43-047-32256	1749' FNL, 1601' FWL	Vernal	Coyote Basin
Balcron Coyote Fed. #23-5	Coyote Basin	NE SW	5	8S	25E	Uintah	UT	PND	Green River	U-065597A	43-047-32424	2110' FSL, 1980' FWL	Vernal	Coyote Basin
Balcron Coyote Fed. #31-7	Coyote Basin	NW NE	7	8S	25E	Uintah	UT	Oil	Green River	U-020309-D	43-047-32254	561' FNL, 1977' FEL	Vernal	Coyote Basin
Balcron Coyote Fed. #33-5	Coyote Basin	NW SE	5	8S	25E	Uintah	UT	Oil	Green River	U-063597-A	43-047-32257	1892' FSL, 2326' FEL	Vernal	Coyote Basin
Balcron Coyote Fed. #33-7	Coyote Basin	NW SE	7	8S	25E	Uintah	UT	PND	Green River	U-51001	43-047-32259	751' FSL, 1922' FEL	Vernal	



Division of Oil, Gas and Mining  
OPERATOR CHANGE WORKSHEET

Routing:

1	LEP 7-SJ
2	DP 58-FILE
3	VLD (GIL)
4	RJE
5	IF
6	FLM

Attach all documentation received by the division regarding this change.  
Initial each listed item when completed. Write N/A if item is not applicable.

- ☐ Change of Operator (well sold)      ☐ Designation of Agent  
☐ Designation of Operator      ~~XXX Operator Name Change Only~~

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 4-1-96)

TO (new operator)	<u>EQUITABLE RESOURCES ENERGY COEROM</u> (former operator)	<u>EQUITABLE RESOURCES ENERGY CO</u>
(address)	<u>1601 LEWIS AVE</u>	(address) <u>BALCRON OIL DIVISION</u>
	<u>BILLINGS MT 59102-4126</u>	<u>1601 LEWIS AVE</u>
		<u>BILLINGS MT 59102-4126</u>
phone	<u>(406) 259-7860</u>	phone <u>(406) 259-7860</u>
account no.	<u>N9890</u>	account no. <u>N9890</u>

Well(s) (attach additional page if needed):

Name: <b>**SEE ATTACHED**</b>	API: <u>013-30584</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- Yec 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Rec'd 4-4-96 & 4-8-96)
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: \_\_\_\_\_.
- \* 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- Yec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) ~~for each well listed above.~~ (4-10-96)
- Yec 6. Cardex file has been updated for each well listed above. (4-11-96)
- Yec 7. Well file labels have been updated for each well listed above. (4-11-96)
- Yec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (4-10-96)
- Yec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

### ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

### BOND VERIFICATION (Fee wells only)

# 5578314 (\$80,000) Secured Ins. Co. (Bond Rider In Progress)

- Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
- N/A 3. The former operator has requested a release of liability from their bond (yes/no)   . Today's date            19  . If yes, division response was made by letter dated            19  .

### LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated            19  , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- 4/26/96
- PTS 2. Copies of documents have been sent to State Lands for changes involving State leases.  
Sent to Ed Bonner - Trust Lands

### FILMING

- WDR 1. All attachments to this form have been microfilmed. Date: May 20 1996.

### FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

### COMMENTS

9/6/04/10 BLM/BIA "Formal approval not necessary"

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

BALCRON OIL DIVISION  
EQUITABLE RESOURCES ENERGY  
1601 LEWIS AVE  
BILLINGS MT 59102-4126

UTAH ACCOUNT NUMBER: N9890

REPORT PERIOD (MONTH/YEAR): 3 / 96

AMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
✓ MONUMENT FED 22-12J								
4301315796	11492	09S 16E 12	GRRV					
✓ MONUMENT FED 42-11J								
4301330066	11492	09S 16E 11	GRRV					
✓ ALLEN FEDERAL 23-6								
4301330558	11492	09S 17E 6	GRRV					
✓ ALLEN FEDERAL 32-6								
4301330559	11492	09S 17E 6	GRRV					
✓ ALLEN FEDERAL 41-6								
4301330581	11492	09S 17E 6	GRRV					
✓ ALLEN FEDERAL 12-6								
4301330582	11492	09S 17E 6	GRRV					
✓ ALLEN FEDERAL 43-6								
4301330583	11492	09S 17E 6	GRRV					
✓ ALLEN FEDERAL 21-6								
4301330584	11492	09S 17E 6	GRRV					
✓ ALLEN FEDERAL 34-6								
4301330586	11492	09S 17E 6	GRRV					
✓ FEDERAL 2-1								
4301330603	11492	09S 16E 1	GRRV					
✓ ALLEN FEDERAL 12-5								
4301330611	11492	09S 17E 5	GRRV					
✓ ALLEN FEDERAL 21-5								
4301330612	11492	09S 17E 5	GRRV					
✓ CASTLE PK FED 31-15								
4301330613	11492	09S 16E 15	GRRV					
TOTALS								

COMMENTS: \_\_\_\_\_

I hereby certify that this report is true and complete to the best of my knowledge.

Date: \_\_\_\_\_

Name and Signature: \_\_\_\_\_

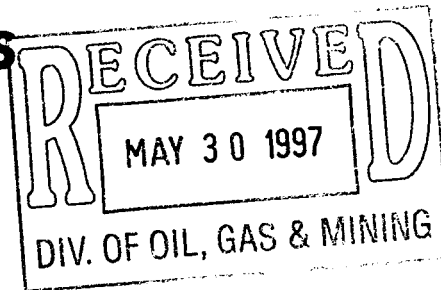
Telephone Number: \_\_\_\_\_



**EQUITABLE RESOURCES**  
ENERGY COMPANY

**WESTERN REGION**

1601 Lewis Avenue  
Billings, MT 59102



Office: (406) 259-7860  
FAX: (406) 245-1365 ☐  
FAX: (406) 245-1361 ☐

May 27, 1997

Utah Board Of Oil, Gas, & Mining  
1594 West North Temple  
Suite-1220  
Salt Lake City, Utah 84114

In accordance with your request please find enclosed the 1997 produced water analysis for the Uinta Basin waterflood and water disposal operations which are operated by Equitable Resources Energy Company. These water analysis are for wells that are re-injecting or disposing produced water back into the Green River Formation via the following facilities:

Jonah Secondary Recovery Unit  
Beluga Secondary Recovery Unit  
Coyote Basin Secondary Recovery Unit  
Castle Draw (State Section-2) Pilot Waterflood  
Pariette Bench Water Disposal Well #4

Equitable Resources Energy Company inadvertently failed to submit a copy of these water analysis when they were sent to the EPA and BLM. If there are any questions please contact me at our Billings, Montana office at 406-259-7860.

Respectfully,

John Zellitti  
District Production Engineer

## Water Analysis Report

Customer : EREC - Western Oil Company

Address : 1601 Lewis Avenue

City : Billings

State : MT Postal Code : 59104-

Attention : John Zellitti

cc1 : Dan Farnsworth

cc2 : Joe Ivey

cc3 :

*Sonah Unit*  
Field : Allen Federal Field

Lease : Allen Fedeal

Location : Well No. ~~4156~~ 21-6

Sample Point : treater

Date Sampled : 01/03/1997

Date Received : 01/03/1997

Date Reported : 02/02/1997

Salesman : Lee Gardiner

Analyst : Karen Hawkins Allen

### CATIONS

Calcium : 184 mg/l  
Magnesium : 126 mg/l  
Barium : 0 mg/l  
Strontium : 0 mg/l  
Iron : 2.0 mg/l  
Sodium : 5965 mg/l  
  
pH (field) : 8.03  
Temperature : 85 degrees F  
Ionic Strength : 0.28  
  
Resistivity : ohm/meters  
Ammonia : ppm  
  
Comments :

### ANIONS

Chloride : 9,600 mg/l  
Carbonate : 49 mg/l  
Bicarbonate : 305 mg/l  
Sulfate : 155 mg/l  
  
Specific Gravity : 1.115 grams/ml  
Total Dissolved Solids : 16,386 ppm  
CO2 in Water : 1 mg/l  
CO2 in Gas : 0.03 mole %  
H2S in Water : 0.0 mg/l  
O2 in Water : 0.000 ppm

### SI calculations based on Tomson-Oddo

Calcite (CaCO3) SI :	0.70	Calcite PTB :	70.4
Gypsum (CaSO4) SI :	-2.14	Gypsum PTB :	N/A
Barite (BaSO4) SI :	N/A	Barite PTB :	N/A
Celestite (SrSO4) SI :	N/A	Celestite PTB :	N/A



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. U-020252-A
2. Name of Operator Equitable Resources Energy Company	6. If Indian, Allottee or Tribe Name n/a
3. Address and Telephone No. 1601 Lewis Avenue, Billings, MT 59102 (406) 259-7860	7. If Unit or CA, Agreement Designation Jonah Unit UTU72086A
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) NE NW Section 6, T9S, R17E 660' FNL & 1980' FWL	8. Well Name and No. Allen Fed. #21-6
	9. API Well No. 43-013-30584
	10. Field and Pool, or Exploratory Area M. Butte/Green River
	11. County or Parish, State Duchesne County, UT

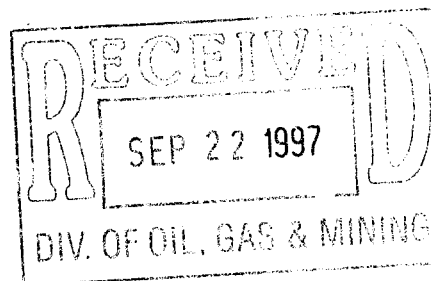
12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other Onshore Order #7
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

All produced water from this well is hauled to the Monument Butte Gas Plant and is then used as injection water for the Jonah Unit Waterflood project.



14. I hereby certify that the foregoing is true and correct  
Signed Molly Conrad Title Agent for Equitable Resources Energy Company Date 9-15-97  
(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any: \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

43-013-30584

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

See Attached

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

UTU72086A

8. Well Name and No.

See Attached

9. API Well No.

See Attached

10. Field and Pool, or Exploratory Area

M. Butte/Green River

11. County or Parish, State

Duchesne County, UT

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company

3. Address and Telephone No.

1601 Lewis Avenue, Billings, MT 59102 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

See Attached

**12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

**TYPE OF SUBMISSION**

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

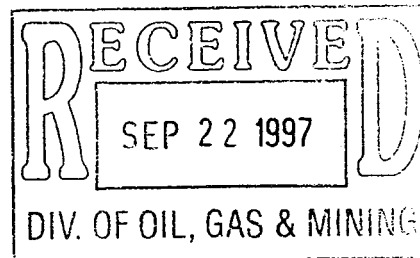
**TYPE OF ACTION**

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Site Security Diagram  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Attached are the Site Security Diagrams for the list of wells on the attached Exhibit.



14. I hereby certify that the foregoing is true and correct

Signed Molly Conrad Title Agent for Equitable Resources Energy Company Date 9-15-97

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any:

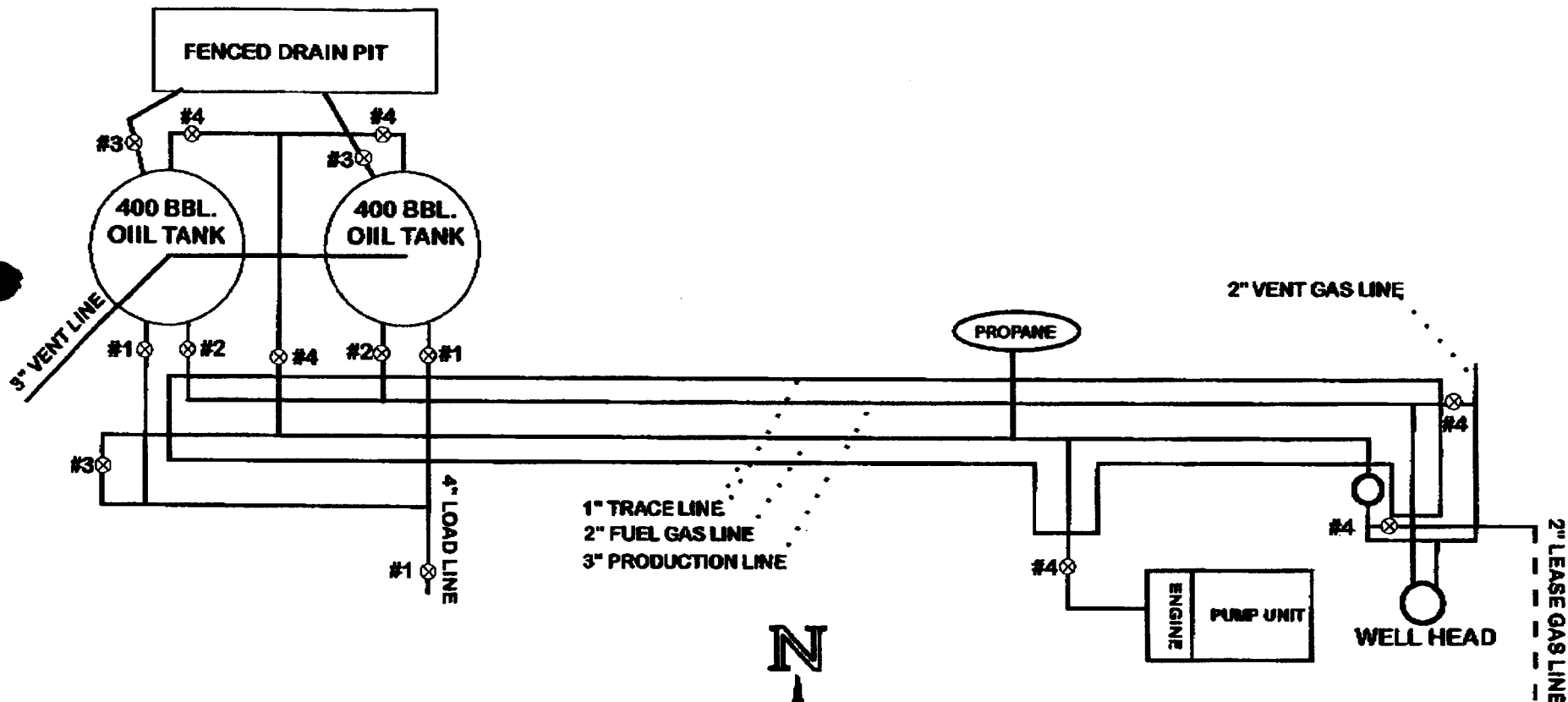
Sheet1

Jonah Unit Site Security Diagrams

<u>Well Name</u>	<u>Location</u>	<u>County</u>	<u>State</u>	<u>Footages</u>	<u>API Number</u>
Allen Federal #12-5	SW NW Section 5 T9S, R17E	Duchesne	UT	1980' FNL & 660' FWL	43-013-30611
Allen Federal #12-6	SW NW Section 6, T9S, R17E	Duchesne	UT	1980' FNL & 604' FWL	43-013-30582
→ Allen Federal #21-6	NE NW Section 6, T9S, R17E	Duchesne	UT	660' FNL & 1980' FWL	43-013-30584
Allen Federal #23-6	NE SW Section 6, T9S, R17E	Duchesne	UT	1980' FSL & 1980' FWL	43-013-30558
Allen Federal #34-6	SW SE Section 6, T9S, R17E	Duchesne	UT	662' FSL & 2075' FEL	43-013-30586
Allen Federal #43-6	NE SW Section 6, T9S, R17E	Duchesne	UT	1980' FSL & 660' FEL	43-013-30583
Monument Federal #1-43	NE SE Section 1, T9S, R16E	Duchesne	UT	1980' FSL & 660' FEL	43-013-30734
Federal #2-1	NE NE Section 1, T9S, R17E	Duchesne	UT	784' FNL & 812' FEL	43-013-30603

**EQUITABLE RESOURCES ENERGY COMPANY  
ALLEN FEDERAL 21-6  
PRODUCTION FACILITY DIAGRAM**

ALLEN FEDERAL 21-6  
NE NW SEC. 6, T9S, R17E  
DUCHESTER COUNTY, UTAH  
FEDERAL LEASE #U-020252-A



VALVE DESCRIPTION		
	DURING PROD.	DURING SALES
VALVE #1	CLOSED	OPEN
VALVE #2	OPEN	CLOSED
VALVE #3	CLOSED	CLOSED
VALVE #4	OPEN	OPEN

DIAGRAM NOT TO SCALE



PLAN LOCATED AT:

**EQUITABLE RESOURCES  
ENERGY COMPANY**  
WESTERN REGION

1001 Lewis Avenue  
Billings, MT 59102  
(406) 230-1000

September 90, 1987

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☒ GAS ☐ OTHER:

2. Name of Operator:

Inland Production Company

3. Address and Telephone Number:

475 - 17th Street, Suite 1500, Denver, CO 80202

4. Location of Well

Footages: See Attached Exhibit

QQ, Sec., T., R., M.:

5. Lease Designation and Serial Number:

See Attached

6. If Indian, Allottee or Tribe Name:

n/a

7. Unit Agreement Name:

See Attached

8. Well Name and Number:

See Attached

9. API Well Number:

See Attached

10. Field and Pool, or Wildcat:

See Attached

County:

State:

### 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

#### NOTICE OF INTENT (Submit in Duplicate)

- |   |   |
|---|---|
| <input type="checkbox"/> Abandon                                    | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing                              | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                            | <input type="checkbox"/> Recomplete           |
| <input type="checkbox"/> Convert to Injection                       | <input type="checkbox"/> Reperforate          |
| <input type="checkbox"/> Fracture Treat or Acidize                  | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion                        | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>Change of Operator</u> |   |

Approximate date work will start \_\_\_\_\_

#### SUBSEQUENT REPORT (Submit Original Form Only)

- |   |   |
|---|---|
| <input type="checkbox"/> Abandon                                    | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing                              | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                            | <input type="checkbox"/> Reperforate          |
| <input type="checkbox"/> Convert to Injection                       | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize                  | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>Change of Operator</u> |   |

Date of work completion 9-30-97

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective September 30, 1997, Inland Production Company will take over operations of the wells on the attached list. The previous operator was :

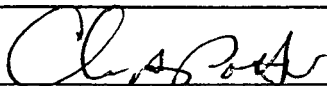
Equitable Resources Energy Company  
1601 Lewis Avenue  
Billings, MT 59102

Effective September 30, 1997, Inland Production Company is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under State of Utah Statewide Bond No. 4471291.

OCT 1 1997

13.

Name & Signature:



CHRIS A. POTTER, ATTORNEY-IN-FACT

Date:

9/30/97

(This space for State use only)

## INLAND

Inland Resources Change of Operator							
WELL NAME	LOCATION	COUNTY	ST	FIELD NAME	API NUMBER	LEASE NO.	AGEEMENT
✓ BALCRON FEDERAL #24-3Y	SESW 3 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31397-00	UTU75037	
✓ BALCRON FEDERAL #44-4Y	SESE 4 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31452-00	UTU65967	
✓ BALCRON FEDERAL #14-3Y	SW SW 3 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31535-00	UTU75037	
✓ MONUMENT FEDERAL #11-11Y	NW NW 119S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31593-00	UTU65210	
✓ MONUMENT FEDERAL #31-5-9-17	NW NE 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31680-00	UTU74808	
ALLEN FEDERAL #1	SESE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15779-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #12-5	SWNW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30611-00	UTU020252	UTU72086A
✓ ALLEN FEDERAL #12-6	SWNW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30582-00	UTU020252A	UTU72086A
ALLEN FEDERAL #13-6	NWSW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30918-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #21-5	NENW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30612-00	UTU020252	UTU72086A
✓ ALLEN FEDERAL #21-6	LOT3 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30584-00	UTU020252A	UTU72086A
ALLEN FEDERAL #22-6	SENW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30919-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #23-6	NESW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30558-00	UTU020252A	UTU72086A
ALLEN FEDERAL #31-6	LOT2 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31195-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #32-6	SWNE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30559-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #34-6	SWSE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30586-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #41-6	NENE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30581-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #43-6	NESE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30583-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL A #1	NWNW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15780-00	UTU020252	UTU72086A
✓ C&O GOV'T #1	NWSW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15111-00	UTU035521A	UTU72086A
✓ C&O GOV'T #2	NWSE 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15112-00	UTU035521	UTU72086A
C&O GOV'T #4	NESW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30742-00	UTU035521A	UTU72086A
✓ CASTLE PEAK FEDERAL #22-15	SENW 159S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30634-00	UTU017985	UTU72086A
✓ CASTLE PEAK FEDERAL #24-15	SESW 159S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30631-00	UTU017985	UTU72086A
✓ CASTLE PEAK FEDERAL #31-15	NWNE 159S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30613-00	UTU017985	UTU72086A
✓ CASTLE PEAK FEDERAL #33-15	NWSE 159S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30632-00	UTU017985	UTU72086A
✓ CASTLE PEAK FEDERAL #44-10	SESE 109S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30630-00	UTU017985	UTU72086A
✓ CASTLE PEAK FEDERAL #42-15	SENE 159S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30633-00	UTU017985	UTU72086A
✓ FEDERAL #2-1	NENE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30603-00	UTU33992	UTU72086A
✓ GETTY #12-1	NWNE 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30889-00	UTU44426	UTU72086A
✓ GETTY #7-A	NENE 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30926-00	UTU44426	UTU72086A
✓ GETTY #7-C	NENW 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30961-00	UTU44426	UTU72086A
✓ GOATES FEDERAL #1	SESW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15789-00	UTU096547	UTU72086A
✓ GOATES FEDERAL #3	NWNW 149S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15791-00	UTU096547	UTU72086A
✓ MONUMENT BUTTE #1-14	SWSW 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30703-00	UTU18399	UTU72086A
✓ MONUMENT BUTTE #1-23	NESW 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30646-00	UTU18399	UTU72086A
✓ MONUMENT BUTTE #1-24	SESW 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30701-00	UTU18399	UTU72086A
✓ MONUMENT BUTTE #1-34	SWSE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30736-00	UTU52013	UTU72086A
✓ MONUMENT BUTTE #1-43	NESE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30734-00	UTU52013	UTU72086A



# EQUITABLE RESOURCES ENERGY COMPANY

**WESTERN REGION**

**(406) 259-7860 Telephone**

**(406) 245-1361 Fax**

December 10, 1997

Lisha  
State of Utah  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, UT 84114-5801

Dear Lisha:

RE: Equitable Sale of Utah Properties

Effective September 30, 1997, Equitable Resources Energy Company sold all of its Utah properties to Inland Production Company.

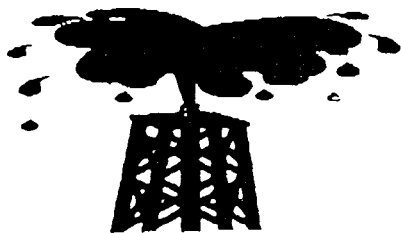
Please feel free to contact me if you require additional information.

Sincerely,

A handwritten signature in cursive script that reads "Molly Conrad".

Molly Conrad  
Agent for Equitable Resources  
Energy Company

/mc



Crazy Mountain Oil & Gas Services  
P.O. Box 577  
Laurel, MT 59044  
(406) 628-4164  
(406) 628-4165

TO: Lisha  
St of Utah.

FROM. Molly Conrad  
Crazy Mountain Oil & Gas Services  
(406) 628-4164

Pages Attached - Including Cover Sheet 2.

NOTE: Here is the letter you requested.  
Call if you need anything  
further.

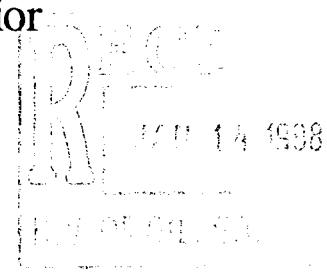




# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155



IN REPLY REFER TO  
UT-931

January 13, 1998

Inland Production Company  
475 17th Street, Suite 1500  
Denver, Colorado 80202

Re: Jonah (Green River) Unit  
Duchesne County, Utah

Gentlemen:

On January 13, 1998, we received an indenture dated November 17, 1997, whereby Equitable Resources Energy Company resigned as Unit Operator and Inland Production Company was designated as Successor Unit Operator for the Jonah (Green River) Unit, Duchesne County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective January 13, 1998. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under Jonah (Green River) Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0056 will be used to cover all operations within the Jonah (Green River) Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Vernal (w/enclosure)  
~~Division of Oil, Gas & Mining~~  
Minerals Adjudication Group U-932  
File - Jonah (Green River) Unit (w/enclosure)  
MMS - Data Management Division  
Agr. Sec. Chron  
Fluid Chron

U-931:TAThompson:tt:1/13/98

WELL STATUS REPORTS  
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
** INSPECTION ITEM UTU72086A JONAH (GR) SECONDARY RECOVERY UNIT									
UTU72086A	430131511100S1	1	NWSW	12	9S	16E	POW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430131578000S1	1	NWNW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430131577900S1	1	SESE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430131578900S1	1	SESW	11	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430131579200S1	1	SESE	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133070200S1	1-13	NWSW	1	9S	16E	WIW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133070300S1	1-14	SWSW	1	9S	16E	POW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133064600S1	1-23	NESW	1	9S	16E	POW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133070100S1	1-24	SESW	1	9S	16E	WIW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133073500S1	1-33	NWSE	1	9S	16E	WIW	UTU52013	EQUITABLE RESOURCES ENERG
UTU72086A	430133073600S1	1-34	SWSE	1	9S	16E	POW	UTU52013	EQUITABLE RESOURCES ENERG
UTU72086A	430133073400S1	1-43	NESE	1	9S	16E	POW	UTU52013	EQUITABLE RESOURCES ENERG
UTU72086A	430133136200S1	11-6	L4	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133149200S1	11-7J	NWNW	7	9S	17E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133088900S1	12-1	NWNE	12	9S	16E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133141700S1	12-11J	SWNW	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133141000S1	12-12J	SWNW	12	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133061100S1	12-5	SWNW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133058200S1	12-6	SWNW	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133149300S1	12-7J	SWNW	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430131579000S1	13-11J	NWSW	11	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133137000S1	13-5	NWSW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133091800S1	13-6	NWSW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133137400S1	14-11	SWSW	11	9S	16E	WIW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133141100S1	14-12J	SWSW	12	9S	16E	WIW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430133138500S1	14-5	SWSW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430131511200S1	2	NWSE	12	9S	16E	POW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430131579300S1	2	NWNE	14	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133060300S1	2-1	L1	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
<del>UTU72086A</del>	<del>430133140600X1</del>	<del>21-12J</del>	<del>NENW</del>	<del>12</del>	<del>9S</del>	<del>16E</del>	<del>ABD</del>	<del>UTU096550</del>	<del>EQUITABLE RESOURCES ENERG</del>
UTU72086A	430133142100S1	21-14J	NENW	14	9S	16E	WIW	UTU096547	EQUITABLE RESOURCES ENERG
<del>UTU72086A</del>	<del>430133142200X1</del>	<del>21-15J</del>	<del>NENW</del>	<del>15</del>	<del>9S</del>	<del>16E</del>	<del>ABD</del>	<del>UTU017985</del>	<del>EQUITABLE RESOURCES ENERG</del>
UTU72086A	430133061200S1	21-5	NENW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133058400S1	21-6	L3	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579600S2	22-12J	SESW	12	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133063400S1	22-15	SESW	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133138400S1	22-5	SESW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133091900S1	22-6	SESW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133136900S1	23-11	NESW	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133137300S1	23-15	NESW	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133138300S1	23-5	NESW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133055800S1	23-6	NESW	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133140900S1	24-12J	SESW	12	9S	16E	POW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430133063100S1	24-15	SESW	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133137500S1	24-5	SESW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133136300S1	24-6	SESW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579100S1	3	NWNW	14	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133061300S1	31-15	NWNE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG

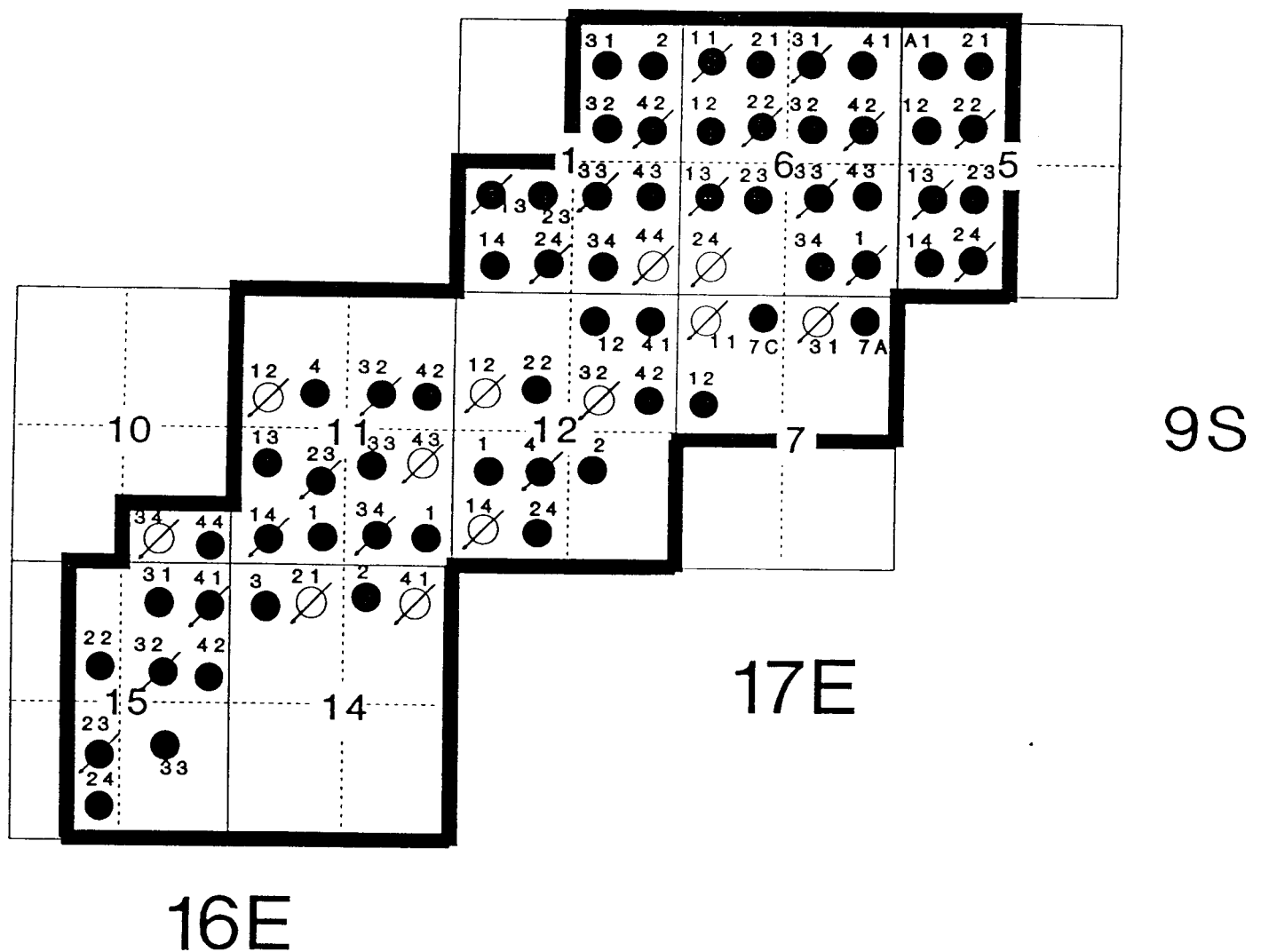
WELL STATUS REPORTS  
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
UTU72086A	430133141300S1	31-1J	L2	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
UTU72086A	430133119500S1	31-6	L2	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133140500S1	31-7J	NWNE	7	9S	17E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133138600S1	32-11	SWNE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133141900S1	32-12J	SWNE	12	9S	16E	WIW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430133136800S1	32-15	SWNE	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133141400S1	32-1J	SWNE	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
UTU72086A	430133055900S1	32-6	SWNE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133145100S1	33-11J	NWSE	11	9S	16E	OSI	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133063200S1	33-15	NWSE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133136100S1	33-6	NWSE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133141600S1	34-10J	SWSE	10	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133100300S1	34-11	SWSE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133058600S1	34-6	SWSE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133074200S1	4	NESW	12	9S	16E	WIW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579500S1	4	SENE	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133148700S1	41-12J	NENE	12	9S	16E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133140800S1	41-14J	NENE	14	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133136700S1	41-15	NENE	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133058100S1	41-6	NENE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133006600S1	42-11J	SENE	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133148600S1	42-12J	SENE	12	9S	16E	POW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430133063300S1	42-15	SENE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133140400S1	42-1J	SENE	1	9S	16E	WIW	UTU40652	EQUITABLE RESOURCES ENERG
UTU72086A	430133136400S1	42-6	SENE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133100200S1	43-11J	NESE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133058300S1	43-6	NESE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133063000S1	44-10	SESE	10	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133141500S1	44-1J	SESE	1	9S	16E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133092600S1	7-A	NENE	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133096100S1	7-C	NENW	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG

# JONAH (GREEN RIVER) UNIT

## DUCHESNE COUNTY, UTAH

EFFECTIVE: JULY 1, 1993



— UNIT OUTLINE (UTU72086A)

4,221.61 ACRES

SECONDARY  
ALLOCATION  
FEDERAL 100.00%

## OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.

Initial each listed item when completed. Write N/A if item is not applicable.

1-IEC	6-VLD
2-CH	7-KAS
3-DTS	8-SI
4-VLD	9-FIE
5-JRB	

- ☒ Change of Operator (well sold)      ☐ Designation of Agent  
☐ Designation of Operator      ☐ Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 9-30-97

TO: (new operator)	<u>INLAND PRODUCTION COMPANY</u>	FROM: (old operator)	<u>EQUITABLE RESOURCES ENERGY</u>
(address)	<u>PO BOX 1446</u>	(address)	<u>PO BOX 577</u>
	<u>ROOSEVELT UT 84066</u>		<u>LAUREL MT 59044</u>
			<u>C/O CRAZY MTN O&amp;G SVS</u>
Phone:	<u>(801)722-5103</u>	Phone:	<u>(406)628-4164</u>
Account no.	<u>N5160</u>	Account no.	<u>N9890</u>

WELL(S) attach additional page if needed:

\*JONAH (GREEN RIVER) UNIT

Name: <b>**SEE ATTACHED**</b>	API: <u>43-013-30584</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

## OPERATOR CHANGE DOCUMENTATION

1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(Rec'd 12-10-97)*
2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(Rec'd 10-13-97)*
3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state?** (yes/no) \_\_\_\_ If yes, show company file number: \_\_\_\_\_
4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of **steps 5 through 9** below.
5. Changes have been entered in the **Oil and Gas Information System (3270)** for each well listed above. *(1-14-98) \* UIC/Quellro Pro 1-14-98 & UIC/DBase 1-14-98*
6. **Cardex** file has been updated for each well listed above.
7. Well **file labels** have been updated for each well listed above.
8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(1-14-98)*
9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for **reference during routing and processing of the original documents.**

## ENTITY REVIEW

- Y 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no If entity assignments were changed, attach copies of Form 6, Entity Action Form.  
*Entity 11492 "Jonah (LP) Unit"*
- N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been **notified** through normal procedures of entity changes.

## BOND VERIFICATION - (FEE WELLS ONLY)

- N/A Y 1. (r649-3-1) The **NEW** operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operator's bond files.
3. The **FORMER** operator has requested a release of liability from their bond (yes/no)    , as of today's date    . If yes, division response was made to this request by letter dated    .

## LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- N/A Y 1. Copies of documents have been sent on     to     at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- N/A 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated     19    , of their responsibility to notify all interest owners of this change.

## FILMING

- Y 1. All attachments to this form have been **microfilmed**. Today's date: 2-3-98.

## FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The **original of this form**, and the **original attachments** are now being filed in the Operator Change file.

## COMMENTS

980114 BLM/SL Aprv. eff. 1-13-98.

**STATE OF UTAH**  
**DIVISION OF OIL, GAS AND MINING**  
 1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

Page 3 of 14

## MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

C/O CRAZY MTN O&G SVS'S  
 EQUITABLE RESOURCES ENERGY  
 PO BOX 577  
 LAUREL MT 59044

UTAH ACCOUNT NUMBER: N9890REPORT PERIOD (MONTH/YEAR): 9 / 97AMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
✓ ALLEN FEDERAL 23-6								
4301330558	11492	09S 17E 6	GRRV			4020252A	4020252A	
✓ ALLEN FEDERAL 32-6								
4301330559	11492	09S 17E 6	GRRV			"		
✓ ALLEN FEDERAL 41-6								
4301330581	11492	09S 17E 6	GRRV			"		
✓ ALLEN FEDERAL 12-6								
4301330582	11492	09S 17E 6	GRRV			"		
✓ ALLEN FEDERAL 43-6								
4301330583	11492	09S 17E 6	GRRV			"		
✓ ALLEN FEDERAL 21-6								
4301330584	11492	09S 17E 6	GRRV			"		
✓ ALLEN FEDERAL 34-6								
4301330586	11492	09S 17E 6	GRRV			"		
✓ FEDERAL 2-1								
4301330603	11492	09S 16E 1	GRRV			433992		
✓ ALLEN FEDERAL 12-5								
4301330611	11492	09S 17E 5	GRRV			402052		
✓ ALLEN FEDERAL 21-5								
4301330612	11492	09S 17E 5	GRRV			"		
✓ CASTLE PK FED 31-15								
4301330613	11492	09S 16E 15	GRRV			4017985		
✓ CASTLE PK FED 44-10								
4301330630	11492	09S 16E 10	GRRV			4017895		
✓ CASTLE PK FED 24-15								
4301330631	11492	09S 16E 15	GRRV			"		
<b>TOTALS</b>								

COMMENTS:

I hereby certify that this report is true and complete to the best of my knowledge.

Date: \_\_\_\_\_

Name and Signature: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

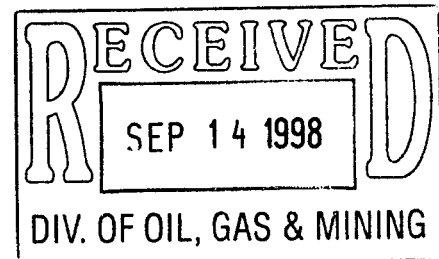
STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		<b>5. LEASE DESIGNATION AND SERIAL NO.</b> <b>U-020252-A</b>	
<b>2. NAME OF OPERATOR</b> <b>INLAND PRODUCTION COMPANY</b>		<b>6. IF INDIAN, ALLOTTEE OR TRIBAL NAME</b>  N/A	
<b>3. ADDRESS OF OPERATOR</b> <b>410 17TH STREET, SUITE 700, DENVER, COLORADO 80202</b> <b>(303) 893-0102</b>		<b>7. UNIT AGREEMENT NAME</b>  JONAH	
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>NE/NW 0660 FNL 1980 FWL</b>		<b>8. FARM OR LEASE NAME</b> <b>ALLEN FEDERAL 21-6</b>	
<b>14. API NUMBER</b> <b>43-013-30584</b>		<b>9. WELL NO.</b> <b>21-6</b>	
<b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.) <b>5296 GR</b>		<b>10. FIELD AND POOL, OR WILDCAT</b>  MONUMENT BUTTE	
<b>12. COUNTY OR PARISH</b> <b>DUCHESNE</b>		<b>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA</b> <b>NE/NW Section 6, T09S R17E</b>	
<b>13. STATE</b> <b>UT</b>			

<b>16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data</b>			
<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>		(OTHER) <u>Change in Lease Number</u>	<input checked="" type="checkbox"/>
(OTHER) _____	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

**17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS.** (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Due to unitization, the lease number for the above referenced well has been changed from U-02025-A to U-020252-A.



<b>18. I hereby certify that the foregoing is true and correct</b>			
SIGNED <u>Debbie E. Knight</u>	TITLE <u>Manager, Regulatory Compliance</u>	DATE <u>9/11/98</u>	
(This space for Federal or State office use)			
APPROVED BY _____	TITLE _____	DATE _____	
CONDITIONS OF APPROVAL, IF ANY:			



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

**U-020252-A**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**JONAH**

8. Well Name and No.

**ALLEN FEDERAL 21-6**

9. API Well No.

**43-013-30584**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil  
Well

☐ Gas  
Well

☐ Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**0660 FNL 1980 FWL**

**NE/NW Section 6, T09S R17E**

12. **CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

**TYPE OF SUBMISSION**

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

**TYPE OF ACTION**

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other **Site Security**

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

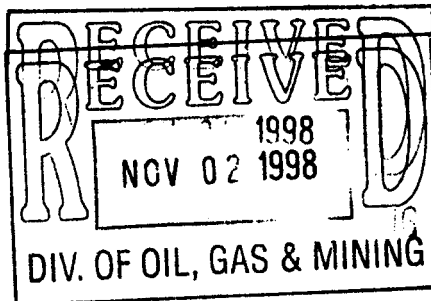
☐ Conversion to Injection

☐ Dispose Water

(Note: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is direction-  
ally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Attached please find the site security diagram for the above referenced well.



14. I hereby certify that the foregoing is true and correct

Signed

*Debbie E. Knight*

Title

**Manager, Regulatory Compliance**

Date

**10/28/98**

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

**CC: UTAH DOGM**

# Inland Production Company

## Site Facility Diagram

Allen Federal 21-6

NE/NW Sec. 6, T9S, 17E

Duchesne County

May 12, 1998

Site Security Plan is held at the Roosevelt Office, Roosevelt Utah

### Production Phase:

- 1) Valves 1 and 3 sealed closed
- 2) Valves 2 and 4 sealed open

### Sales Phase:

- 1) Valves 1, 2, 4, 5 sealed closed
- 2) Valves 1 open

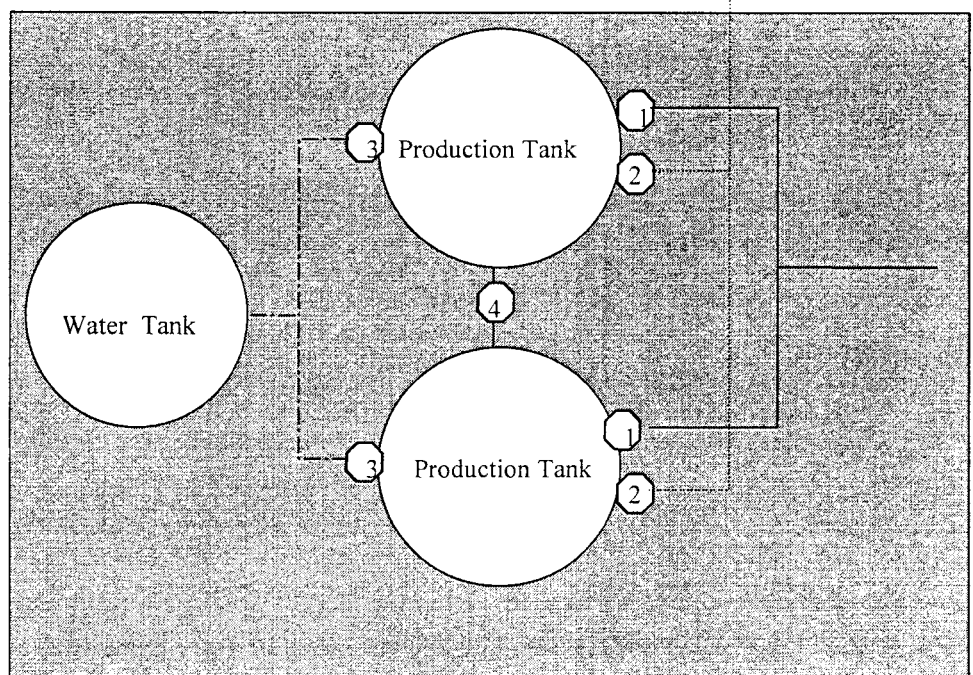
### Draining Phase:

- 1) Valve 3 open

Diked Section

Gas Sales Meter

Pumping Unit



Emulsion Line .....

Load Line \_\_\_\_\_

Water Line - - - - -

Gas Sales . . . . .

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

**U-020252-A**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**JONAH**

8. Well Name and No.

**ALLEN FED 21-6**

9. API Well No.

**43-013-30584**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UT**

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**0660 FNL 1980 FWL NE/NW Section 6, T9S R17E**

12. **CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

**TYPE OF SUBMISSION**

☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

**TYPE OF ACTION**

☐ Abandonment  
☒ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Subject well had recompletion procedures initiated in the Green River formation on 10/16/02. Existing production equipment was pulled from well. A bit & scraper was ran in well. Well was cleaned out to PBTD @ 5521'. 5 new intervals were perforated as follows: B1 sds @ 5038'-5042'; D1 sds @ 4754' - 4757', DS 2 sds @ 4692' - 4698'; PB 10 sds @ 4497'-4505'; and GB6 sds @ 4284 - 4292', All @ 4 JSPF. 3 composite plug was ran in well. All sets of new perfs were isolated, broken down and injected into W/ KCL water. #1 Stage interval (B1 sds @ 5038' - 5042') was isolated and hydraulically fracture treated W/ 20,000# 20/40 mesh sand in 345 bbls Viking I-25 fluid. # 2 Stage interval ( D1 sds 4754' - 4757' & Ds 2 sds 4692' - 4698' was isolated and hydraulically fracture treated W/ 25,000# 20/40 mesh sand in 208 bbls Viking I-25 fluid. # 3 stage interval ( PB 10 sds 4497' - 4505' & GB 6 sds 4284' - 4292' was isolated and hydraulically fracture treated W/ 60,000# 20/40 mesh sand in 434 bbls Viking I-25 fluid . Top two composite plug's were drilled out. Fraced intervals was swab tested for sand cleanup. Bottom composite plug was drilled out. Well was cleaned out to PBTD @ 5521. A revised BHA and production tbg string was ran in well and anchored W/ tubing anchor @ 5238', pump seating nipple @ 5397' and end of tubing string @ 5429'. A repaired rod pump and rod string was ran in well. Well returned to production via rod pump on 10/22/02.

14. I hereby certify that the foregoing is true and correct

Signed

*Ray Herrera*  
Ray Herrera

Title

Completion Foreman

Date

10/26/02

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Conditions of approval, if any:

CC: Utah DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**RECEIVED**  
OCT 28 2002  
DIVISION OF  
MINING



## Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
INLAND PRODUCTION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas  
SEP 02 2004  
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs  
Susan G. Riggs, Treasurer

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

<http://www.blm.gov>



IN REPLY REFER TO:

3106

(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare

## OPERATOR CHANGE WORKSHEET

## ROUTING

1. GLH

2. CDW

3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change****Merger**

The operator of the well(s) listed below has changed, effective:

9/1/2004

**FROM:** (Old Operator):

N5160-Inland Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

**TO:** ( New Operator):

N2695-Newfield Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

CA No.

Unit:

JONAH (GREEN RIVER)

**WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
FEDERAL 2-1	01	090S	160E	4301330603	11492	Federal	OW	P
GOATES FED 1	11	090S	160E	4301315789	11492	Federal	OW	P
MONUMENT FED 13-11J	11	090S	160E	4301315790	11492	Federal	OW	S
WALTON FED 1	11	090S	160E	4301315792	11492	Federal	OW	P
WALTON FED 4	11	090S	160E	4301315795	11492	Federal	OW	P
MONUMENT FED 42-11J	11	090S	160E	4301330066	11492	Federal	OW	P
C&O GOVT 1	12	090S	160E	4301315111	11492	Federal	OW	P
C&O GOVT 2	12	090S	160E	4301315112	11492	Federal	OW	P
MONUMENT FED 22-12J	12	090S	160E	4301315796	11492	Federal	OW	P
GOATES FED 3	14	090S	160E	4301315791	11492	Federal	OW	P
WALTON FED 2	14	090S	160E	4301315793	11492	Federal	OW	P
ALLEN FED A-1	05	090S	170E	4301315780	11492	Federal	WI	A
ALLEN FED 1-6	06	090S	170E	4301315779	11492	Federal	WI	A
ALLEN FED 23-6	06	090S	170E	4301330558	11492	Federal	OW	P
ALLEN FED 32-6	06	090S	170E	4301330559	11492	Federal	OW	P
ALLEN FED 41-6	06	090S	170E	4301330581	11492	Federal	OW	P
ALLEN FED 12-6	06	090S	170E	4301330582	11492	Federal	OW	P
ALLEN FED 43-6	06	090S	170E	4301330583	11492	Federal	OW	P
ALLEN FED 21-6	06	090S	170E	4301330584	11492	Federal	OW	P
ALLEN FED 34-6	06	090S	170E	4301330586	11492	Federal	OW	P

K

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/20042. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/20043. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/2005

4. Is the new operator registered in the State of Utah: YES Business Number: 755627-0143

5. If **NO**, the operator was contacted on:



6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005  
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005  
3. Bond information entered in RBDMS on: 2/28/2005  
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005  
5. Injection Projects to new operator in RBDMS on: 2/28/2005  
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UT 0056

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: 61BSBDH2912

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919  
2. The **FORMER** operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

1595 Wynkoop Street  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
**FOR RECORD ONLY**

DEC 11 2008

Ref: 8P-W-GW

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Mr. Eric Sundberg  
Regulatory Analyst  
Newfield Production Company  
1001 Seventeenth Street – Suite 2000  
Denver, CO 80202

RECEIVED

DEC 15 2008

DIV. OF OIL, GAS & MINING

RE: Additional Well: Jonah Area Permit  
Corrective Action required in AOR wells  
**UIC Permit No. UT20642-00000**  
**Well ID: UT20642-08200**  
Allen Federal #21-6-9-17  
660 ft. FNL & 1980 ft. FWL  
NE NW Section 6-T9S-R17E  
Duchesne County, Utah  
API # 43-013-30584

Dear Mr. Sundberg:

The Newfield Production Company request to convert the former Green River Formation oil well Federal #21-6-9-17 to an enhanced recovery injection well in the Jonah Area Permit is hereby authorized by the Environmental Protection Agency (EPA) under the terms and conditions of the Authorization For Additional Well.

The addition of the proposed injection well, within the exterior boundary of the Uintah & Ouray Indian Reservation, is being made under the authority of 40 CFR §144.33 (c) and terms of the Jonah Area Permit No. UT20642-00000, and subsequent modifications.

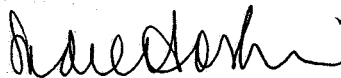
Please be aware that Newfield does not have authorization to begin injection operations into the well until all Prior to Commencing Injection requirements have been submitted and evaluated by the EPA, and has received written authorization from the Director to begin injection. Please note that the Permit limits injection to the gross interval within the Green River Formation between the depths of 3747 feet and the top of the Wasatch Formation estimated to be at 6135 feet.

Prior to receiving authorization to inject, the EPA requires that Newfield submit for review and approval: (1) the results of a **Part 1 (Internal) mechanical integrity test (MIT)**, (2) a **pore pressure** calculation of the injection interval, (3) a complete **EPA Form No. 7520-12** (Well Rework Record) with a new schematic diagram and (4) run a new **Cement Bond-Gamma Ray log**, from surface to total depth, because 80% cement bond index cannot be determined from the old Cement Bond log.

The initial Maximum Allowable Injection Pressure (MAIP) for the Federal 21-6-9-17 is determined to be **1415 psig**. UIC Area Permit UT20642-00000 also provides the opportunity for the permittee to request a change in the MAIP based upon results of a step rate test that demonstrates that the formation breakdown pressure will not be exceeded.

If you have any questions, please call Mr. Bruce Suchomel at (303) 312-6001 or 1-(800)-227-8917 (Ext. 312-6001). Please submit the required data to **ATTENTION: Bruce Suchomel**, at the letterhead address, citing **MAIL CODE: 8P-W-GW** very prominently.

Sincerely,



*for* Stephen S. Tuber  
Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

Encl: Authorization For Conversion of An Additional Well  
EPA Form No. 7520-12 (Well Rework Record).  
Proposed Wellbore and P&A Wellbore  
Schematics for Federal 21-6-9-17

cc: Letter Only

Uintah & Ouray Business Committee  
Ute Indian Tribe:

Curtis Cesspooch, Chairman  
Ronald Groves, Councilman  
Irene Cuch, Vice-Chairwoman  
Steven Cesspooch, Councilman  
Phillip Chimburas, Councilman  
Frances Poowegup, Councilwoman

Daniel Picard, Superintendent  
U.S. Bureau of Indian Affairs  
Uintah & Ouray Indian Agency

All Enclosures:

Michelle Sabori, Acting Director  
GAP 106  
Ute Indian Tribe

Larry Love, Director  
Energy and Minerals Department  
Ute Indian Tribe

Elaine Willie, GAP Coordinator  
Land Use Department  
Ute Indian Tribe

Gilbert Hunt  
Associate Director  
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office  
U.S. Bureau of Land Management  
Vernal, UT

Michael Guinn, District Manager  
Newfield Production Company  
Myton, UT

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8  
1595 WYNKOOP STREET  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

**AUTHORIZATION FOR ADDITIONAL WELL**

**UIC Area Permit No: UT20642-0000**

The Jonah Final UIC Area Permit No. UT20642-00000, with modification effective July 7, 1998, authorizes injection for the purpose of enhanced oil recovery into multiple lenticular sand units which are distributed throughout the lower portion of the Green River Formation. On August 4, 2008, the permittee provided notice to the Director concerning the following additional enhanced recovery injection well:

Well Name:	<u>Allen Federal # 21-6-9-17</u>
EPA Well ID Number:	<u>UT #20642-08200</u>
Location:	660 ft. FNL & 1980 ft. FWL NE NW Sec. 6-T9S-R17E Duchesne County, Utah. API #43-013-30584


Pursuant to 40 CFR §144.33, Area UIC Permit No. UT20642-00000 authorizes the permittee to construct and operate, convert, or plug and abandon additional enhanced recovery injection wells within the area permit. This well was determined to satisfy additional well criteria required by the permit.

This well is subject to all provisions of UIC Area Permit No. UT20642-00000, as modified and as specified in the Well Specific Requirements detailed below. This Authorization shall expire one year after the Effective Date unless the permittee has converted the well to injection or submits a written request to extend this Authorization prior to the expiration date.

This Authorization is effective upon signature.

Date: DEC 11 2008

  
\_\_\_\_\_  
**Stephen S. Tuber**

 \*Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

*\* The person holding this title is referred to as the Director throughout the permit and Authorization*

Authorization for Additional Well: UIC Area Permit UT20642-00000  
Well: Allen Federal 21-6-9-17 EPA Well ID: UT20642-08200

Printed on Recycled Paper

## **WELL-SPECIFIC REQUIREMENTS**

Well Name: **Allen Federal # 21-6-9-17**  
EPA Well ID Number: **UT20642-08200**

**Prior to commencing injection operations, the permittee shall submit the following information and receive written Authority to Inject from the Director:**

1. a successful Part I (Internal) Mechanical Integrity test (MIT);
2. pore pressure calculation of the proposed injection zone;
3. completed Well Rework Record EPA Form No. 7520-12 and schematic diagram; and
4. run a cement bond-gamma ray log from base surface casing (262 feet) to PBTD (5524 feet).

**Approved Injection Zone:** Injection is approved between the top of the Garden Gulch Member of the Green River Formation [3747 feet (KB)] to the top of the Wasatch Formation, which is estimated to be at a depth of [6135 feet (KB)].

**Maximum Allowable Injection Pressure (MAIP):** The initial MAIP is **1415 psig**, based on the following calculation:

$$\begin{aligned} \text{MAIP} &= [\text{FG} - (0.433)(\text{SG})] * \text{D, where} \\ \text{FG} &= 0.77 \text{ psi/foot} \quad \text{SG} = 1.015 \quad \text{D} = \textbf{4284 feet} \text{ (top perforation depth KB)} \\ \text{MAIP} &= \textbf{1415 psig} \end{aligned}$$

UIC Area Permit No. UT20642-00000 also provides the opportunity for the permittee to request a change of the MAIP based upon results of a step rate test that demonstrates the formation breakdown pressure will not be exceeded.

**Well Construction and Corrective Action:** **Corrective Action is Required** on the Allen Federal #21-6-9-17. The CBL provided could not be evaluated to demonstrate that 80% cement bond index occurs over the Confining Zone (3552 feet – 3747 feet), therefore the Permittee is required to run a new Cement Bond-Gamma Ray log from base of surface casing (262 feet) to PBTD (5524 feet).

**Tubing and Packer:** 2-7/8" or similar size injection tubing is approved; the packer shall be set at a depth no more than 100 feet above the top perforation.

**Corrective Action for Wells in Area of Review (AOR):** **Corrective Action is required.** The following five wells, which penetrate the confining zone within or proximate to a 1/4 mile radius around the Allen Federal # 21-6-9-17, were evaluated to determine if any corrective action is necessary to prevent fluid movement into USDW:

Well: Fed 11-6-9-17\* NW/NW Sec. 6-T9S - R17E  
TOC: 800 feet. 80% Cement Bond Index not identified within the Confining Zone.

Well: Fed 31-6-9-17\* NW/NE Sec. 6-T9S - R17E  
TOC: 2932 feet. 80% Cement Bond Index not identified within the Confining Zone.

Well: Fed H-6-9-17 1305 FNL 2666 FEL Sec. 6-T9S - R17E  
TOC: 53 feet. 845 feet of 80% Cement Bond Index in the Confining Zone (3578 – 4423 feet)

Well: Fed G-6-9-17 1486 FNL 1459 FWL Sec. 6-T9S - R17E  
TOC: 34 feet. 44 feet of 80% Cement Bond Index in the Confining Zone (3714 – 3758)

Well: Fed 14-31-8-17 SW/NW Sec. 6-T9S - R17E  
TOC: 250 feet. 1460 feet of 80% Cement Bond Index in the Confining Zone (3088 – 4548)

\* Corrective action required

**Demonstration of Mechanical Integrity:** A successful demonstration of Part I (Internal) Mechanical Integrity using a standard Casing-Tubing pressure test is required prior to injection and at least once every five years thereafter. EPA reviewed the Cement Bond Log and determined the cement will not provide an effective barrier to significant upward movement of fluids through vertical channels adjacent to the well bore pursuant to 40 CFR§ 146.8 (a)(2). Therefore, further demonstration of Part II (External) Mechanical Integrity is not required at this time.

**Demonstration of Financial Responsibility:** The applicant has demonstrated financial responsibility by an Annual Statement that has been approved by the EPA.

**Plugging and Abandonment:** The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluids into or between USDWs. Tubing, packers, and any downhole apparatus shall be removed. Class A, C, G, and H cements, with additives such as accelerators and retarders that control or enhance cement properties, may be used for plugs; however, volume extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.2 lb/gal shall be placed between all plugs. A minimum 50 ft surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. Within sixty (60) days after plugging the owner or operator shall submit Plugging Record (EPA Form 7520-13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. At a minimum, the following plugs are required:

PLUG NO. 1: Set a cast iron bridge plug (CIBP) no more than 50 ft above the top perforation (4284 feet) with a minimum 20 foot cement plug on top of the CIBP.

PLUG NO. 2: Squeeze a cement plug on the backside of the 5-1/2" casing across the Trona Zone and the Mahogany Bench between approximately 2888 feet (KB) to 3038 feet (KB). If pre-existing backside cement precludes cement-squeezing this interval then a minimum 150 foot balanced cement plug shall be placed inside the 5-1/2" from approximately 2888 feet (KB) to 3038 feet (KB).

PLUG NO. 3: Squeeze a cement plug on the backside of the 5-1/2" casing across the top of the Green River Formation between approximately 1440 feet (KB) and 1540 feet (KB). If pre-existing backside cement precludes cement-squeezing this interval then a minimum 100 foot plug shall be placed inside the 5-1/2 casing from approximately 1440 feet (KB) to 1540 feet (KB).

PLUG NO. 4: Set a Class "G" cement plug within the 5-1/2" casing to 312 feet and up the 5-1/2" x 8-5/8" casing annulus to the surface.

Cut off surface and 5-1/2" casing at least 4 ft below ground level and set P&A marker; submit Sundry Notices and all necessary data as required by the EPA and other regulatory agencies.

#### **Reporting of Noncompliance:**

- (a) Anticipated Noncompliance. The operator shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- (b) Compliance Schedules. Reports of compliance or noncompliance with, or any progress on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than thirty (30) days following each schedule date.
- (c) Written Notice of any noncompliance which may endanger health or the environment shall be reported to the Director within five (5) days of the time the operator becomes aware of the noncompliance. The written notice shall contain a description of the noncompliance and its cause; the period of noncompliance including dates and times; if the noncompliance has not been corrected the anticipated time it is expected to continue; and steps taken or planned to prevent or reduce recurrence of the noncompliance.

#### **Twenty-Four Hour Noncompliance Reporting:**

The operator shall report to the Director any noncompliance which may endanger health or environment. Information shall be provided, either orally or by leaving a message, within twenty-four (24) hours from the time the operator becomes aware of the circumstances by telephoning 1-(800)-227-8917 and asking for the EPA Region 8 UIC Program Compliance and

*Authorization for Additional Well: UIC Area Permit UT20642-00000*

*Well: Allen Federal 21-6-9-17 EPA Well ID: UT20642-08200*



Enforcement Director, or by contacting the Region 8 Emergency Operations Center at (303)-293-1788 if calling from outside EPA Region 8. The following information shall be included in the verbal report:

- (a) Any monitoring or other information which indicates that any contaminant may cause an endangerment to a USDW.
- (b) Any noncompliance with a Permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

**Oil Spill and Chemical Release Reporting:**

The operator shall comply with all other reporting requirements related to oil spills and chemical releases or other potential impacts to human health or the environment by contacting the **National Response Center (NRC) 1-(800)-424-8802 or 1-(202)-267-2675**, or through the **NRC website at <http://www.nrc.uscg.mil/index.htm>**.

**Other Noncompliance:**

The operator shall report all other instances of noncompliance not otherwise reported at the time monitoring reports are submitted.

**Other Information:**

Where the operator becomes aware that he failed to submit any relevant facts in the Permit application, or submitted incorrect information in a Permit application, or in any report to the Director, the operator shall submit such correct facts or information within two (2) weeks of the time such information became known to him.

## **WELL-SPECIFIC CONSIDERATIONS**

Well Name: Allen Federal # **21-6-9-17**

EPA Well ID Number: **UT20642-08200**

**Underground Sources of Drinking Water (USDWs):** USDWs in the Jonah Area Permit generally occur within the Uinta Formation. According to "*Base of Moderately Saline Ground Water in the Uinta Basin, Utah, State of Utah Technical Publication No. 92,*" the base of moderately saline ground water may be found at approximately 50 feet below ground surface in the Federal #21-6-9-17.

**http:NRWRT1.NR.STATE.UT.US:**

There are no reservoirs, streams, domestic or agricultural water wells within a quarter (1/4) mile of the well.

**Composition of Source, Formation, and Injectate Water: (Total Dissolved Solids [TDS]:**

- TDS of the Douglas Creek Member – Green River Formation Water: 25,005 mg/l.

- TDS of Johnson Water District Reservoir source water: 4,278 mg/l.

The **injectate** is water from the Johnson Water District Reservoir blended with produced Green River Formation Water resulting in TDS > 10,000 mg/l.

**Confining Zone:** The Confining Zone, which directly overlies the Garden Gulch Member of the Green River Formation, is approximately 195 feet of shale between the depths of 3552 feet and 3747 feet (KB).

**Injection Zone:** The Injection Zone at this well location is an approximate 2388 feet of multiple lenticular sand units interbedded with shale, marlstone and limestone from the top of the Garden Gulch Member at 3747 feet (KB) to the top of the Wasatch Formation which is estimated to be at 6135 feet (KB). All formation tops are based on correlations to the Newfield Production Federal #1-26-8-17 (UT20702-04671) Type Log.

**Well Construction:** Eighty percent (80%) cement bond index over the Confining Zone (3552 feet to 3747 feet) is not shown in the CBL run in 1981. Therefore the permittee is required to run a new CBL from base of surface casing (262 feet) to PBTD (5524 feet).

**Surface Casing:** 8-5/8" casing is set at 262 feet (KB) in a 12-1/4" hole, using 200 sacks Class H cement, circulated to the surface.

**Longstring Casing:** 5-1/2" casing is set at 5572 feet (KB) in a 7-7/8" hole secured with 1095 sacks of Class H cement. Total driller depth 5572 feet. Plugged back total depth is 5524 feet. EPA calculates top of cement at the surface. Estimated CBL top of cement is 140 feet.

Perforations: Top perforation: **4284 feet** (KB)

Bottom perforation: **5419 feet** (KB)

**Wells in Area of Review (AOR):** Construction and cementing records, including cement bond Logs (CBL), as available, for all five wells in the ¼ mile AOR that penetrated the Confining Zone, were reviewed. Three were found to have 80% or greater cement bond index over the Confining Zone while two were not.

**AOR Wells Not Requiring Corrective Action:**

Well: Fed H-6-9-17      1305 FNL 2666 FEL Sec. 6-T9S - R17E  
Well: Fed G-6-9-17      1486 FNL 1459 FWL Sec. 6-T9S - R17E  
Well: Fed 14-31-8-17      SW/NW Sec. 6-T9S - R17E

**AOR Wells Requiring Corrective Action:**

Well: Fed 11-6-9-17      NW/NW Sec. 6-T9S - R17E  
Well: Fed 31-6-9-17      NW/NE Sec. 6-T9S - R17E

Federal numbers 11-6-9-17 and 31-6-9-17 will be monitored weekly at the surface for evidence of fluid movement out of the injection zone.

In addition, Newfield developed a corrective action monitoring program, effective July 10, 2008, entitled "Procedure related to proposed Class II Enhanced Oil Recovery Injection Wells determined by the EPA to have specific Area of Review (AOR) wells with inadequate cement across the Confining Zone."

If possible fluid movement out of the injection zone is identified, either through the weekly monitoring, through Newfield's July 10, 2008 procedure described above, or through any other means (for example, evidence of fluid flow or increased bradenhead annulus pressure readings, tubing-casing annulus pressure readings, or other evidence of a mechanical integrity failure), the Permittee will shut in the Federal number 11-6-9-17 and 31-6-9-17 wells immediately and notify the Director. No injection into the Federal number 11-6-9-17 and 31-6-9-17 wells will be permitted until the Permittee has notified the Director that the situation has been resolved, submitted Rework Records (EPA Form No. 7520-12) and a schematic diagram, and received authorization from the Director to re-commence injection.

UT20642-08200

Spud Date: 10/20/81

Put on Production: 12/26/81

GL: 5302' KB: 5312'

Plugging and Abandonment  
Allen Federal #21-6-9-17

Initial Production: 69 BOPD, 25  
MCFD, 5 BOPD

## SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: K-55

WEIGHT: 24#

LENGTH: 6 jts (252')

DEPTH LANDED: 262'

HOLE SIZE: 12-1/4"

CEMENT DATA: 200 sxs Class "H", cmt to surface

## PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: K-55

WEIGHT: 15.5#

LENGTH: 132 jts. (5557')

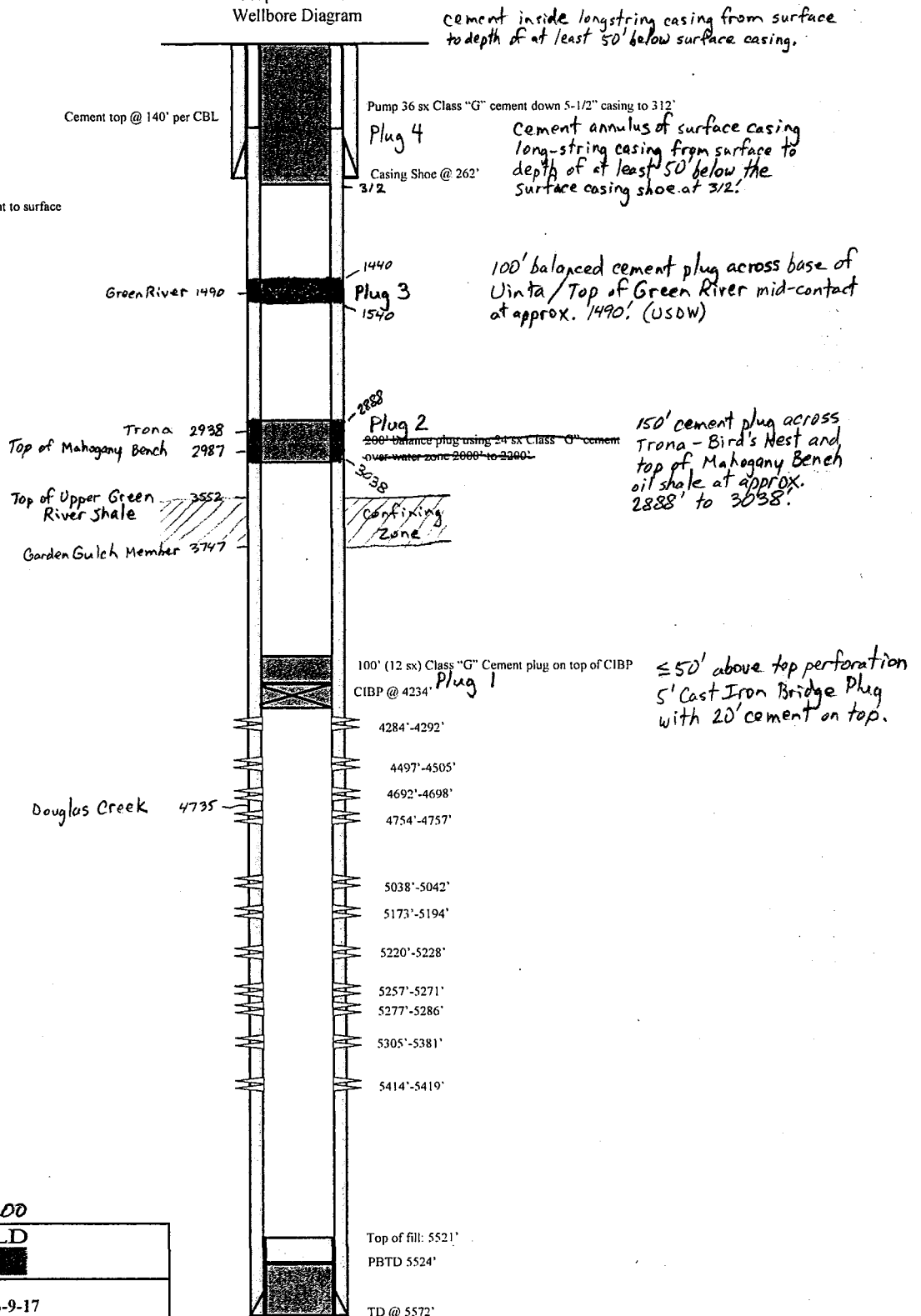
DEPTH LANDED: 5567'

HOLE SIZE: 7-7/8"

CEMENT DATA: 1095 sxs Class "H"

CEMENT TOP AT: 140' per CBL

## Proposed P & A Wellbore Diagram



Permit # UT 20642-08200

NEWFIELD

Allen Federal #21-6-9-17

1980' FWL & 660' FNL

NE/NW Section 6-T9S-R17E

Duchesne Co, Utah

API #43-013-30584; Lease #UTU-020252A



**RE: Procedure related to proposed Class II Enhanced Oil Recovery Injection Wells determined by the EPA to have specific Area of Review (AOR) wells with inadequate cement across the confining zone**

Effective July 10, 2008 Newfield Production Company will implement the following procedure to address concerns related to protection of Underground Sources of Drinking Water (USDW) in AOR wells where the interval of cement bond index across the confining zone behind pipe has been determined to be inadequate. The procedure is intended to meet the corrective action requirements found in the UIC Class II permit, as well as provide data that could be used to detect and prevent fluid movement out of the proposed injection zone.

- 1) Establish baseline production casing by surface casing annulus pressures prior to water injection in subject well with a calibrated gauge.
- 2) Record the baseline pressure, report findings to Newfield engineering group and keep on file so it is available upon request
- 3) Place injection well in service. Run packer integrity and radioactive tracer logs to verify wellbore integrity and determine zones taking water.
- 4) Construct a geologic cross section showing zones taking water and their geologic equivalent zones in the AOR wells.
- 5) Submit a report of the packer integrity log, radioactive tracer log, and geologic cross section to the Newfield engineering staff for review and keep on file so it is available upon request
- 6) Weekly observations of the site will be made by Newfield during normal well operating activities. Any surface discharge of fluids will be reported immediately.
- 7) After injection well is placed in service, weekly observations of annulus pressure will be made and compared to baseline pressure and will be recorded once monthly. The recorded pressure information will be kept on file and be available upon request.
- 8) If pressure increases by more than 10% above baseline at any time in an AOR well with insufficient cement bond, Newfield will run a temperature survey log in subject well. This log, in concert with the geologic cross section, will enable the determination of water movement in the open hole by production casing annulus through a shift in geothermal gradient.
- 9) If water movement is determined in annulus, Newfield will shut in the injection well and repair the production casing by open hole annulus or leave the injection well out of service.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

1595 Wynkoop Street  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

FEB 07 2012

Ref: 8P-W-GW

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Mr. Eric Sundberg  
Regulatory Analyst  
Newfield Production Company  
1001 Seventeenth Street – Suite 2000  
Denver, Colorado 80202

**RECEIVED**

**FEB 15 2012**

**DIV. OF OIL, GAS & MINING**

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
**FOR RECORD ONLY**

RE: Underground Injection Control (UIC)  
Additional Well to Jonah Area Permit  
EPA UIC Permit UT20642-09452  
Well: Allen Federal 21-6-9-17  
NENW Sec. 6-T9S-R17E  
Duchesne County, Utah  
API No.: 43-013-30584

Dear Mr. Sundberg:

The U.S. Environmental Protection Agency Region 8 hereby authorizes Newfield Production Company (Newfield) to convert the oil well Allen Federal 21-6-9-17 to an enhanced recovery injection well according to the terms and conditions of the enclosed Authorization for Additional Well. The addition of this injection well, within the exterior boundary of the Uintah & Ouray Indian Reservation, is being made under the authority of 40 CFR §144.33 (c) and terms of the Jonah Area Permit No. UT20642-00000 and subsequent modifications.

Please be aware that Newfield does not have authorization to begin well injection until all Prior to Commencing Injection requirements are met and written authorization to inject is given by the Director. Prior to receiving authorization to inject, Newfield must submit for review and approval (1) the results of a Part I (internal) Mechanical Integrity test, (2) a pore pressure calculation of the injection interval and (3) a completed EPA Form No. 7520-12 (Well Rework Record) with a new schematic diagram.

If you have any questions, please call Emmett Schmitz at (303) 312-6174 or (800) 227-8917, extension 312-6174. Please submit the required data to Jason Deardorff at the letterhead address citing mail code 8P-W-GW.

Sincerely,



for

Callie A. Videtich  
Acting Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

Enclosures: Authorization for Additional Well  
Wellbore Schematic for Allen Federal 21-6-9-17

cc: Letter Only:

Uintah & Ouray Business Committee:  
Irene Cuch, Chairman  
Ronald Wopsock, Vice-Chairman  
Frances Poowegup, Councilwoman  
Phillip Chimburas, Councilman  
Stewart Pike, Councilman  
Richard Jenks, Jr., Councilman

Daniel Picard  
BIA - Uintah & Ouray Indian Agency

cc: All Enclosures:

Mike Natchees  
Environmental Coordinator  
Ute Indian Tribe

Manual Myore  
Director of Energy & Minerals Dept.  
Ute Indian Tribe

Brad Hill  
Acting Associate Director  
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office  
BLM - Vernal Office

Reed Durfey  
District Manager  
Newfield Production Company  
Myton, Utah



# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8

1595 WYNKOOP STREET

DENVER, CO 80202-1129

Phone 800-227-8917

<http://www.epa.gov/region08>

## AUTHORIZATION FOR ADDITIONAL WELL

### UIC Area Permit UT20642-00000

The Jonah Final UIC Area Permit UT20642-00000, effective December 22, 1992, authorizes injection for the purpose of enhanced oil recovery in the Monument Butte Field. On December 21, 2011, Newfield Production Company notified the Director concerning the following additional enhanced recovery injection well:

Well Name:	Allen Federal 21-6-9-17
EPA Permit ID Number:	UT20642-09452
Location:	660' FNL & 1980' FWL NENW Sec. 6-T9S-R17E Duchesne County, Utah API #43-013-30584

Pursuant to 40 CFR §144.33, Area UIC Permit UT20642-00000 authorizes the permittee to construct and operate, convert, or plug and abandon additional enhanced recovery injection wells within the area permit. This well was determined to satisfy additional well criteria required by the permit.

This well is subject to all provisions of UIC Area Permit No. UT20642-00000, as modified and as specified in the Injection Well-Specific Requirements detailed below. This Authorization shall expire one year after the Effective Date unless the permittee has converted the well to injection or submits a written request to extend this Authorization prior to the expiration date.

This Authorization is effective upon signature.

Date: 2/6/12

  
for **Callie A. Videtich**

\*Acting Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

*\* The person holding this title is referred to as the Director throughout the permit and Authorization*

Authorization for Additional Well: UIC Area Permit UT20642-00000  
Well: Allen Federal 21-6-9-17 EPA Well ID: UT20642-09452

Printed on Recycled Paper



## **INJECTION WELL-SPECIFIC REQUIREMENTS**

Well Name: Allen Federal 21-6-9-17  
EPA Well ID Number: UT20642-09452

### **Prior to Commencing Injection Operations, the permittee shall submit the following information:**

1. Completed Well Rework Record (EPA Form No. 7520-12) and schematic diagram;
2. Pore pressure calculation of the proposed injection zone;
3. Results from a successful part I (internal) Mechanical Integrity test.

Once these records are received and approved by EPA, the Director will provide written authorization to inject.

**Note:** All depths given in this authorization reference the Kelly Bushing datum unless otherwise specified.

**Approved Injection Interval:** The injection interval is the part of the injection zone where fluids are directly emplaced. The approved injection interval for this well is from the top of the Garden Gulch Sand #2 to the top of the Wasatch Formation. Additional injection perforations may be added provided that they remain within the approved injection interval. Injection between the outermost casing protecting USDWs and the well bore is prohibited.

**Maximum Allowable Injection Pressure (MAIP):** The initial MAIP is 1,800 psig, based on the calculation  $MAIP = [FG - (0.433)(SG)] * D$ , where "FG" is the fracture gradient, "SG" is the specific gravity of injectate and "D" is the Kelly Bushing depth to the shallowest casing perforation. For this well, FG is 0.86 psi/ft, SG is 1.015 and D is 4,284 ft.

UIC Area Permit No. UT20642-00000 provides the opportunity for the permittee to request a change of the MAIP based upon the submitted results of a step rate test that demonstrates the formation parting pressure.

**Well Construction: Casing and Cementing:** The well was constructed in compliance with existing regulatory controls for casing and cementing pursuant to 40 CFR § 146.22(c).

Cementing records, including the cement bond log, have satisfactorily demonstrated the presence of adequate cement to prevent the migration of injection fluids behind the casing from the injection zone.

**Well Construction: Tubing and Packer:** 2-7/8" or similar size injection tubing is approved. The packer shall be set at a depth no more than 100 ft. above the top perforation.

### **Demonstration of Mechanical Integrity:**

- (1) A successful demonstration of part I (internal) mechanical integrity using a Casing-Tubing Annulus Pressure Test is required prior to injection, and no less than every five years after the last successful test.
- (2) EPA reviewed the cementing records and determined the cement will provide an effective barrier to significant upward movement of fluids through vertical channels adjacent to the well bore pursuant to 40 CFR §146.8 (a)(2). Therefore, further demonstration of Part II (external) Mechanical Integrity is not required at this time.

**Demonstration of Financial Responsibility:** The applicant has demonstrated financial responsibility by a Surety Bond in the amount of \$42,000 and a Standby Trust Agreement that have been approved by EPA. The Director may revise the amount required and may require the permittee to obtain and provide updated estimates of costs for plugging the well according to the approved Plugging and Abandonment plan.

**Plugging and Abandonment:** The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluids into or between Underground Sources of Drinking Water (USDW). Tubing, packers, and any downhole apparatus shall be removed. Class A, C, G, and H cements, with additives such as accelerators and retarders that control or enhance cement properties, may be used for plugs; however, volume extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.2 lb/gal shall be placed between all plugs. A minimum 50 ft. surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. Within sixty (60) days after plugging the owner or operator shall submit Plugging Record (EPA Form 7520-13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. At a minimum, the following plugs are required:

- (1) Isolate the injection zone: Remove down hole apparatus from the well and perform necessary clean out; displace well fluid with plugging gel. Set a cast iron bridge plug (CIBP) within the innermost casing string no more than 50 ft. above the top perforation with a minimum of 20 ft. cement plug on top of the CIBP.
- (2) Isolate the Trona-Bird's Nest water zone and Mahogany Oil Shale: Perforate and squeeze cement up the backside of the outermost casing string across the Mahogany Oil Shale and Trona-Bird's Nest water zone, from at least 55 ft. above the top of the Trona-Bird's Nest to at least 55 ft. below the base of Mahogany Oil Shale, unless there is existing cement across this interval.
- (3) Isolate the Uinta Formation from the Green River Formation: Perforate and squeeze a minimum of 110 ft. cement up the backside of the outermost casing string to isolate the contact between the Uinta Formation and the Green River Formation, unless there is existing cement across this interval. Set a minimum 110 ft. cement plug in the innermost

casing string, centered on the contact between the Green River Formation and Uinta Formation.

(4) Isolate Surface Fluid Migration Paths:

- a. If the depth of the lowermost USDW is above the base of surface casing, perforate the outermost casing string 50 ft. below the base of surface casing and circulate cement to the surface, unless there is existing cement across this interval; OR
- b. If the depth of the lowermost USDW is below the base of surface casing, perforate the outermost casing string 50 ft. below the base of the lowermost USDW and circulate cement to surface; AND
- c. Set a cement plug inside the innermost casing string from 50 ft. below the base of the surface casing to surface.

### **INJECTION WELL-SPECIFIC CONSIDERATIONS**

Well Name: Allen Federal 21-6-9-17  
EPA Well ID Number: UT20642-09452

**Underground Sources of Drinking Water (USDWs):** USDWs in the Jonah Unit Area Permit generally occur within the Uinta Formation. According to "*Base of Moderately Saline Ground Water in the Uinta Basin, Utah, State of Utah Technical Publication No. 92,*" the base of moderately saline ground water may be found at approximately 300 ft. below ground surface in the Allen Federal 21-6-9-17 well. Water samples from the Green River Formation taken in conjunction with oil production show that USDWs do occur at deeper depths within the Humpback unit and as deep as 6,026 ft. in the Balcron Monument Federal 33-25-8-17 well. Freshening of the injection zone due to the injection of relatively fresh water for the purpose of enhanced oil recovery has been demonstrated to be occurring in parts of the Monument Butte Field, including this permit area.

**http:NRWRT1.NR.STATE.UT.US:** According to the state of Utah, any water wells present within the permit area are shallow and do not intersect the injection zone.

**Composition of Source, Formation, and Injectate Water:** A water sample analysis was not required as part of the application to add this well to the area permit because EPA considers the water quality of the injection zone to be well documented. Area UIC Permit UT20642-00000 and Statement of Basis describe originally in place formation fluid within the injection zone to be greater than 10,000 mg/l Total Dissolved Solids (TDS) content. However, due to injection of relatively fresh water for the purpose of enhanced oil recovery within the permit area, produced water samples showing TDS values less than 10,000 mg/l have occurred and this occurrence has been observed to increase in frequency with time. Newfield has demonstrated and EPA has confirmed that freshening of the injection zone is occurring and that more recent water samples showing TDS values less than 10,000 mg/l are not likely representative of the original formation

fluid at or near this well. EPA considers the presence of waters less than 10,000 mg/l within the injection zone to be a temporary, artificial condition and therefore does not require an aquifer exemption to allow injection to occur.

The injectate is water from a Monument Butte Field Injection Facility and consists of culinary water from the Johnson Water District and/or water from the Green River, blended with produced Green River Formation water and resulting in TDS content less than 10,000 mg/l.

**Confining Zone:** A *Confining Zone* is a geological formation, group of formations, or part of a formation that is capable of limiting fluid movement above an injection zone. The designated Confining Zone for this well consists of three interbedded, thick impervious shales, confining marlstones and siltstones. The Confining Zone extends from approximately 200 feet above the Garden Gulch Marker to the top of the Garden Gulch Number 2 Sand within the Garden Gulch Member of the Green River Formation. This interval is found between the depths of 3,970 feet to 4,466 feet in the Federal 1-26-8-17 Type Gamma Log for the Monument Butte Field.

**Injection Zone:** An *injection zone* is a geological formation, group of formations, or part of a formation that receives fluids through a well. The Injection Zone for this well consists of the lower part of the Garden Gulch member starting at the top of the Garden Gulch #2 Sand and includes the Douglas Creek and Basal Carbonate members of the Green River Formation to the top of the Wasatch Formation.

**Well Construction:** This well was constructed according to BLM requirements and controls for production wells at the time of well completion. EPA has reviewed and approved the construction and determined that it is adequate to protect USDWs.

**Surface Casing:** 8-5/8" casing is set at 262 ft. in a 12-1/4" hole, using 200 sacks Class "G" cement, cemented to the surface.

**Longstring Casing:** 5-1/2" casing is set at 5,567 ft. in a 7-7/8" hole secured with 1,095 sacks of Class "H" cement. Total driller depth is 5,572 ft. Plugged back total depth is 5,524 ft. EPA calculates top of cement at surface. Estimated CBL top of cement is 140 ft.

**Perforations:** Top perforation: 4,284 ft.

Bottom perforation: 5,429 ft.

### **AREA OF REVIEW (AOR) WELL REQUIREMENTS**

The following five wells that penetrate the confining zone within or proximate to a 1/4-mile radius around the Allen Federal 21-6-9-17 well were evaluated to determine if any corrective action is necessary to prevent fluid movement into USDWs.

Sand Wash Federal 14-31-8-17

API: 43-013-32443

SHL: NESW Sec. 31-T8S-R17E

BHL: SESW Sec. 31-T8S-R17E

Monument Butte Federal 11-6-9-17 43-013-31362

NWNW Sec. 6-T9S-R17E

Authorization for Additional Well: UIC Area Permit UT20642-00000

Well: Allen Federal 21-6-9-17 EPA Well ID: UT20642-09452

Allen Federal 31-6-9-17	API: 43-013-31195	NWNE Sec. 6-T9S-R17E
Jonah Federal G-6-9-17	API: 43-013-33493	SHL: NWNW Sec. 6-T9S-R17E BHL: NWNW Sec. 6-T9S-R17E
Jonah Federal H-6-9-17	API: 43-013-33494	SHL: SWNE Sec. 6-T9S-R17E BHL: SENE Sec. 6-T9S-R17E

Balcron Allen Federal 31-6G-9-17 is located with the ¼-mile AOR but was not evaluated as the well is a plugged and abandoned shallow gas well at total depth of 2,824 ft. A total depth approximately 1,000 ft. above the authorized confining zone.

**No Corrective Action Required on AOR wells:** EPA reviewed all wells penetrating the Confining Zone within a ¼-mile radius of the proposed injection well and determined that cement in these wells is adequate to prevent the movement of fluid into USDWs. Top of cement is above the base of the Confining Zone in all AOR wells.

**Reporting of Noncompliance:**

- 1) Anticipated Noncompliance. The operator shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- 2) Compliance Schedules. Reports of compliance or noncompliance with, or any progress on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than 30 days following each schedule date.
- 3) (Written Notice of any noncompliance which may endanger health or the environment shall be reported to the Director within five days of the time the operator becomes aware of the noncompliance. The written notice shall contain a description of the noncompliance and its cause, the period of noncompliance including dates and times, if the noncompliance has not been corrected the anticipated time it is expected to continue, and steps taken or planned to prevent or reduce recurrence of the noncompliance.

**Twenty-Four Hour Noncompliance Reporting:** The operator shall report to the Director any noncompliance which may endanger health or environment. Information shall be provided, either orally or by leaving a message, within twenty-four (24) hours from the time the operator becomes aware of the circumstances by telephoning 1-(800)-227-8917 and asking for the EPA Region 8 UIC Program Compliance and Enforcement Director, or by contacting the Region 8 Emergency Operations Center at (303)-293-1788, if calling from outside EPA Region 8. The following information shall be included in the verbal report:

- 1) Any monitoring or other information which indicates that any contaminant may cause an endangerment to an underground source of drinking water.

- 2) Any noncompliance with a Permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

**Oil Spill and Chemical Release Reporting:** The operator shall comply with all other reporting requirements related to oil spills and chemical releases or other potential impacts to human health or the environment by contacting the **National Response Center (NRC) 1-(800)-424-8802 or 1-(202)-267-2675**, or through the **NRC website at <http://www.nrc.uscg.mil/index.htm>**

**Other Noncompliance:** The operator shall report all other instances of noncompliance not otherwise reported at the time monitoring reports are submitted.

**Other Information:** Where the operator becomes aware that he failed to submit any relevant facts in the Permit application, or submitted incorrect information in a Permit application, or in any report to the Director, the operator shall submit such correct facts or information within two weeks of the time such information became known.

Spud Date: 10/20/81  
 Put on Production: 12/26/81  
 GL: 5302' KB: 5312'

# Allen Federal #21-6-9-17

Initial Production: 69 BOPD, 25  
 MCFD, 5 BOPD

## SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: K-55  
 WEIGHT: 24#  
 LENGTH: 6 jts (252')  
 DEPTH LANDED: 262'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 200 sxs Class "IP", cmt to surface

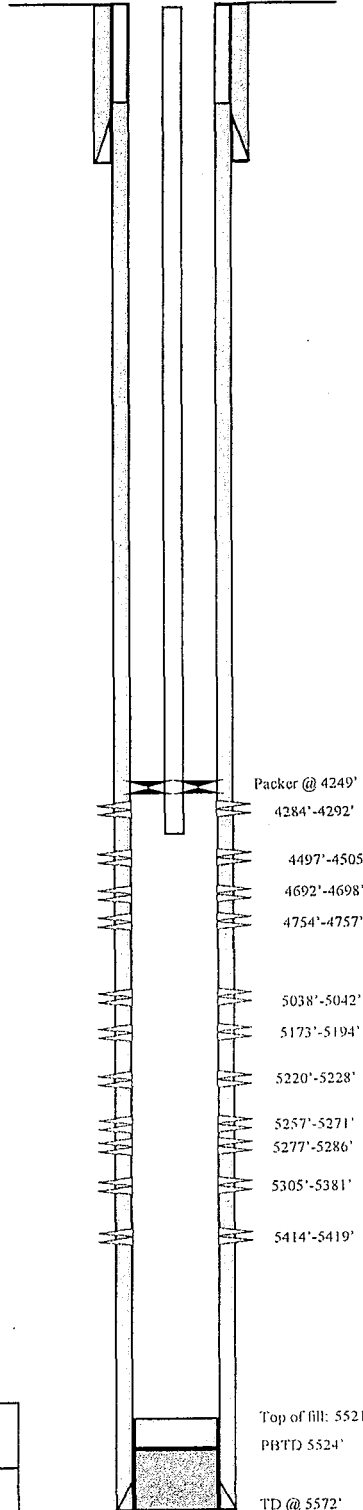
## PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: k-55  
 WEIGHT: 15.5#  
 LENGTH: 132 jts (5557')  
 DEPTH LANDED: 5567'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 1095 sxs Class "II"  
 CEMENT TOP AT: 140' per CBL

## TUBING

SIZE/GRADE/WT.: 2-3/8" / J-55 / 4.7#  
 NO. OF JOINTS: 166 jts (5235.25')  
 TUBING ANCHOR: 5238.05' KB  
 NO. OF JOINTS: 5 jts (157.99')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5397.14' KB  
 NO. OF JOINTS: 1 jts (31.85')  
 TOTAL STRING LENGTH: EOT @ 5429.44'

## Proposed Injection Wellbore Diagram



## FRAC JOB

12-9-81 5173'-5228' 26,000 gal Gel w/9000# 100 mesh sd, w/51,000# 20/40 sd, & 8000# 10/20 sd. Avg rate of 15.75 BPM w/avg rate of 2100 psi. ISIP-2200 psi, 15 min 2150 psi.

12-6-81 5257'-5419' 70,000 gal Gel w/15,000# 100 mesh sd, 140,000# 20/40 sd & 20,000# 10/20 sd. Avg rate of 31 BPM w/avg press of 2100 psi. ISIP-2100 psi, 15 min 2000 psi.

10/17/02 5038'-5042' Frac B sands as follows:  
 20,000# of 20/40 sand in 345 bbls of Viking 1-25 fluid. Treated @ avg rate 6.0 bpm, avg press 3600 psi. ISIP-4200 psi. Calc flush: 5038 gal. Actual flush: 4869 gal.


10/17/02 4692'-4757' Frac D1, DS-2 sands as follows:  
 25,000# of 20/40 sand in 208 bbls of Viking 1-25 fluid. Treated @ avg rate 22.3 bpm, avg press 2830 psi. ISIP-2600 psi. Calc flush: 4692 gal. Actual flush: 4523 gal.

10/17/02 4284'-4505' Frac PB, GB sands as follows:  
 60,000# of 20/40 sand in 434 bbls of Viking 1-25 fluid. Treated @ avg rate 25.1 bpm, avg press 2190 psi. ISIP-2320 psi. Calc flush: 4284 gal. Actual flush: 4115 gal.

05/25/07 Parted Rods. Update rod and tubing details.

## PERFORATION RECORD

Date	Interval	SPF	Holes
12/06/81	5414'-5419'	2 SPF	10 holes
12/06/81	5305'-5381'	1 SPF	77 holes
12/06/81	5277'-5286'	2 SPF	42 holes
12/06/81	5257'-5271'	2 SPF	29 holes
12/08/81	5220'-5228'	2 SPF	17 holes
12/08/81	5173'-5194'	2 SPF	42 holes
10/17/02	5038'-5042'	4 SPF	16 holes
10/17/02	4754'-4757'	4 SPF	12 holes
10/17/02	4692'-4698'	4 SPF	24 holes
10/17/02	4497'-4505'	4 SPF	32 holes
10/17/02	4284'-4292'	4 SPF	32 holes

<b>NEWFIELD</b> 
Allen Federal #21-6-9-17 1980' FWL & 660' FNL NE/NW Section 6-T9S-R17E Duchesne Co, Utah API #43-013-30584; Lease #UTU-020252A

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-020252A
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>8. WELL NAME and NUMBER:</b> ALLEN FED 21-6
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>9. API NUMBER:</b> 43013305840000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0660 FNL 1980 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENW Section: 06 Township: 09.0S Range: 17.0E Meridian: S		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/9/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well has been converted from a producing oil well to an injection well on 04/02/2012. On 03/31/2012 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 04/09/2012 the casing was pressured up to 1050 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 490 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20642-09452

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 April 18, 2012

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A		<b>DATE</b> 4/10/2012



# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_

Date: 4/9/12Test conducted by: Jared Robinson

Others present: \_\_\_\_\_

Well Name: <u>Allen Federal 21-6-9-17</u>	Type: <u>ER SWD</u>	Status: <u>AC TA UC</u>
Field: <u>Monument Butte</u>		
Location: <u>NE/1/4</u> Sec: <u>6</u> T <u>9</u> N <u>17</u> E/W County: <u>Duchesne</u> State: <u>UT</u>		
Operator: <u>Jared Robinson</u>		
Last MIT: <u>1</u> / <u>1</u>	Maximum Allowable Pressure: _____	PSIG

Is this a regularly scheduled test?

☐ Yes☒ No

Initial test for permit?

☒ Yes☐ No

Test after well rework?

☐ Yes☒ No

Well injecting during test?

☐ Yes☒ No

If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing/tubing annulus pressure: \_\_\_\_\_

0

psig

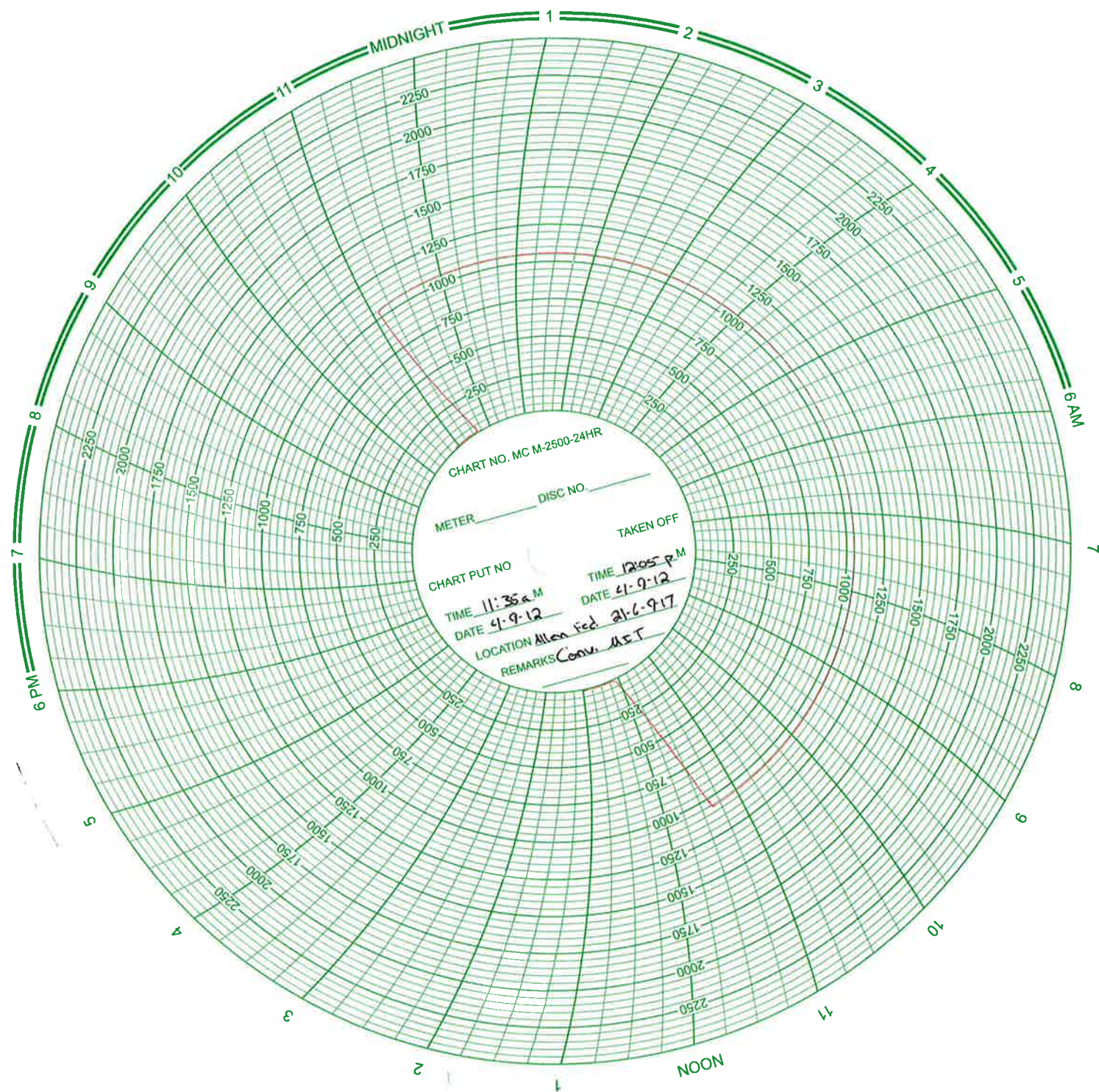
MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING</b>	<b>PRESSURE</b>		
Initial Pressure	<u>490</u> psig	psig	psig
End of test pressure	<u>490</u> psig	psig	psig
<b>CASING / TUBING</b>	<b>ANNULUS PRESSURE</b>		
0 minutes	<u>1050</u> psig	psig	psig
5 minutes	<u>1050</u> psig	psig	psig
10 minutes	<u>1050</u> psig	psig	psig
15 minutes	<u>1050</u> psig	psig	psig
20 minutes	<u>1050</u> psig	psig	psig
25 minutes	<u>1050</u> psig	psig	psig
30 minutes	<u>1050</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☒ No

## MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: \_\_\_\_\_





## Daily Activity Report

Format For Sundry

**ALLEN 21-6-9-17**

**1/1/2012 To 5/30/2012**

**1/10/2012 Day: 1**

**Host Well Gyro**

WWS #1 on 1/10/2012 - TOH w/ rods. Ran gyro. TIH w/ rods. Clamp off rods. RDMOSU. - 1-5-2012. MIRU WWS#1. Hot oiler pumped 60 BW down csg. Unseat rod pump. Flush rods w/ 30 BW. Soft seat rod pump. Flush tbg w/ 10 BW w/ 500 psi max pressure. Unseat rod pump. TOH w/ rods. (1-6-2012) Hot oiler flushed rod w/ 30 BW. RU V.E.S WL truck. Ran gyro. RD WL truck. TIH w/ rod pump and rods same as pulled. Stack out and clamp off rods. RDMOSU. (All costs will be billed out under the GBM W-31-8-17, 880-157, AFE#23859. WWS#1 \$5010, Advantage hot oiler \$1608, NDSI wtr & trucking \$600, NDSI trucking \$400). - 1-5-2012. MIRU WWS#1. Hot oiler pumped 60 BW down csg. Unseat rod pump. Flush rods w/ 30 BW. Soft seat rod pump. Flush tbg w/ 10 BW w/ 500 psi max pressure. Unseat rod pump. TOH w/ rods. (1-6-2012) Hot oiler flushed rod w/ 30 BW. RU V.E.S WL truck. Ran gyro. RD WL truck. TIH w/ rod pump and rods same as pulled. Stack out and clamp off rods. RDMOSU. (All costs will be billed out under the GBM W-31-8-17, 880-157, AFE#23859. WWS#1 \$5010, Advantage hot oiler \$1608, NDSI wtr & trucking \$600, NDSI trucking \$400).

**Daily Cost: \$0**

**Cumulative Cost: \$300**

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**4/3/2012 Day: 3**

**Conversion**

WWS #1 on 4/3/2012 - Test CSG w/ solid test. RDMOSU WWS #1. - Open well. Continue TOOH w/ tbg breaking collars & applying Liquid O-Rin to threads. Get out of hole w/ 133 jts tbg. Start laying down remaining 39 jts. MU btm hole assembly & TIH w/ tbg detail @ follows. 5 1/2" Weatherford AS-1X PKR, PSN, & 133 jts tbg. Get in hole w/ tbg. Pump 10 bw & drop SV. Pressure up tbg to 3000 psi & watch for 30 min. Lost 250 psi. Bump up & watch for 30 min. Lost 150 psi. Bump up & watch fro 30 min. Good test. Watch for 30 additional minutes. Good test. SDFN EWTR 130 BBLS. - Open well. Continue TOOH w/ tbg breaking collars & applying Liquid O-Rin to threads. Get out of hole w/ 133 jts tbg. Start laying down remaining 39 jts. MU btm hole assembly & TIH w/ tbg detail @ follows. 5 1/2" Weatherford AS-1X PKR, PSN, & 133 jts tbg. Get in hole w/ tbg. Pump 10 bw & drop SV. Pressure up tbg to 3000 psi & watch for 30 min. Lost 250 psi. Bump up & watch for 30 min. Lost 150 psi. Bump up & watch fro 30 min. Good test. Watch for 30 additional minutes. Good test. SDFN EWTR 130 BBLS. - Open well. Continue TOOH w/ tbg breaking collars & applying Liquid O-Rin to threads. Get out of hole w/ 133 jts tbg. Start laying down remaining 39 jts. MU btm hole assembly & TIH w/ tbg detail @ follows. 5 1/2" Weatherford AS-1X PKR, PSN, & 133 jts tbg. Get in hole w/ tbg. Pump 10 bw & drop SV. Pressure up tbg to 3000 psi & watch for 30 min. Lost 250 psi. Bump up & watch for 30 min. Lost 150 psi. Bump up & watch fro 30 min. Good test. Watch for 30 additional minutes. Good test. SDFN EWTR 130 BBLS. - MIRUSU WWS #1. RD pumping unit. Hot oiler had pumped 60 bw down csg @ 250°. Soft seat & test tbg. No test. Flush rods & tbg w/ 40 bw @ 250°. TOOH laying down rods. Get out of hole w/ rods. X-over to tbg equipment. Find TAC released. NU BOP. RU work floor. Start TOOH w/ tbg breaking collars & applying Liquid O-Ring to threads. TAC was hanging up resulting in slow trip time. EWTR 60 BBLS - MIRUSU WWS #1. RD pumping unit. Hot oiler had pumped 60 bw down csg @ 250°. Soft seat & test tbg. No test. Flush rods & tbg w/ 40 bw @ 250°. TOOH laying down rods. Get out of hole w/ rods. X-over to tbg equipment. Find TAC released. NU BOP. RU work floor. Start TOOH w/ tbg breaking collars & applying Liquid O-Ring to threads. TAC was hanging up resulting in slow trip time. EWTR 60 BBLS - MIRUSU WWS #1. RD pumping unit. Hot oiler had pumped 60 bw down csg @ 250°. Soft seat & test tbg. No test. Flush rods & tbg w/ 40 bw @ 250°. TOOH laying down rods. Get out of hole w/ rods. X-over to tbg equipment. Find TAC released. NU

BOP. RU work floor. Start TOOH w/ tbg breaking collars & applying Liquid O-Ring to threads. TAC was hanging up resulting in slow trip time. EWTR 60 BBLS - RD work floor. ND BOP. Land tbg on well head. Pump PKR fluid. Set PKR & land w/ 15000#. NU well head. Pressure up csg to 1400 psi @ watch for 30 min. Lost 150 psi. Bump up & watch for 30 min. Good test. RDMOSU WWS #1. EWTR 130 BBLS. READY FOR MIT!!! - RD work floor. ND BOP. Land tbg on well head. Pump PKR fluid. Set PKR & land w/ 15000#. NU well head. Pressure up csg to 1400 psi @ watch for 30 min. Lost 150 psi. Bump up & watch for 30 min. Good test. RDMOSU WWS #1. EWTR 130 BBLS. READY FOR MIT!!! - RD work floor. ND BOP. Land tbg on well head. Pump PKR fluid. Set PKR & land w/ 15000#. NU well head. Pressure up csg to 1400 psi @ watch for 30 min. Lost 150 psi. Bump up & watch for 30 min. Good test. RDMOSU WWS #1. EWTR 130 BBLS. READY FOR MIT!!! - MIRUSU WWS #1. RD pumping unit. Hot oiler had pumped 60 bw down csg @ 250°. Soft seat & test tbg. No test. Flush rods & tbg w/ 40 bw @ 250°. TOOH laying down rods. Get out of hole w/ rods. X-over to tbg equipment. Find TAC released. NU BOP. RU work floor. Start TOOH w/ tbg breaking collars & applying Liquid O-Ring to threads. TAC was hanging up resulting in slow trip time. EWTR 60 BBLS - RD work floor. ND BOP. Land tbg on well head. Pump PKR fluid. Set PKR & land w/ 15000#. NU well head. Pressure up csg to 1400 psi @ watch for 30 min. Lost 150 psi. Bump up & watch for 30 min. Good test. RDMOSU WWS #1. EWTR 130 BBLS. READY FOR MIT!!! - RD work floor. ND BOP. Land tbg on well head. Pump PKR fluid. Set PKR & land w/ 15000#. NU well head. Pressure up csg to 1400 psi @ watch for 30 min. Lost 150 psi. Bump up & watch for 30 min. Good test. RDMOSU WWS #1. EWTR 130 BBLS. READY FOR MIT!!! - RD work floor. ND BOP. Land tbg on well head. Pump PKR fluid. Set PKR & land w/ 15000#. NU well head. Pressure up csg to 1400 psi @ watch for 30 min. Lost 150 psi. Bump up & watch for 30 min. Good test. RDMOSU WWS #1. EWTR 130 BBLS. READY FOR MIT!!! - Open well. Continue TOOH w/ tbg breaking collars & applying Liquid O-Rin to threads. Get out of hole w/ 133 jts tbg. Start laying down remaining 39 jts. MU btm hole assembly & TIH w/ tbg detail @ follows. 5 1/2" Weatherford AS-1X PKR, PSN, & 133 jts tbg. Get in hole w/ tbg. Pump 10 bw & drop SV. Pressure up tbg to 3000 psi & watch for 30 min. Lost 250 psi. Bump up & watch for 30 min. Lost 150 psi. Bump up & watch fro 30 min. Good test. Watch for 30 additional minutes. Good test. SDFN EWTR 130 BBLS. - Open well. Continue TOOH w/ tbg breaking collars & applying Liquid O-Rin to threads. Get out of hole w/ 133 jts tbg. Start laying down remaining 39 jts. MU btm hole assembly & TIH w/ tbg detail @ follows. 5 1/2" Weatherford AS-1X PKR, PSN, & 133 jts tbg. Get in hole w/ tbg. Pump 10 bw & drop SV. Pressure up tbg to 3000 psi & watch for 30 min. Lost 250 psi. Bump up & watch for 30 min. Lost 150 psi. Bump up & watch fro 30 min. Good test. Watch for 30 additional minutes. Good test. SDFN EWTR 130 BBLS. - Open well. Continue TOOH w/ tbg breaking collars & applying Liquid O-Rin to threads. Get out of hole w/ 133 jts tbg. Start laying down remaining 39 jts. MU btm hole assembly & TIH w/ tbg detail @ follows. 5 1/2" Weatherford AS-1X PKR, PSN, & 133 jts tbg. Get in hole w/ tbg. Pump 10 bw & drop SV. Pressure up tbg to 3000 psi & watch for 30 min. Lost 250 psi. Bump up & watch for 30 min. Lost 150 psi. Bump up & watch fro 30 min. Good test. Watch for 30 additional minutes. Good test. SDFN EWTR 130 BBLS. - MIRUSU WWS #1. RD pumping unit. Hot oiler had pumped 60 bw down csg @ 250°. Soft seat & test tbg. No test. Flush rods & tbg w/ 40 bw @ 250°. TOOH laying down rods. Get out of hole w/ rods. X-over to tbg equipment. Find TAC released. NU BOP. RU work floor. Start TOOH w/ tbg breaking collars & applying Liquid O-Ring to threads. TAC was hanging up resulting in slow trip time. EWTR 60 BBLS - MIRUSU WWS #1. RD pumping unit. Hot oiler had pumped 60 bw down csg @ 250°. Soft seat & test tbg. No test. Flush rods & tbg w/ 40 bw @ 250°. TOOH laying down rods. Get out of hole w/ rods. X-over to tbg equipment. Find TAC released. NU BOP. RU work floor. Start TOOH w/ tbg breaking collars & applying Liquid O-Ring to threads. TAC was hanging up resulting in slow trip time. EWTR 60 BBLS **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$74,907

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**4/10/2012 Day: 4**

**Conversion**

Rigless on 4/10/2012 - Conduct initial MIT - On 03/31/2012 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 04/09/2012 the casing was pressured up to 1050 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 490 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20642-09452 - On 03/31/2012 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 04/09/2012 the casing was pressured up to 1050 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 490 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20642-09452 **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$100,227

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**Pertinent Files: [Go to File List](#)**

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-020252A
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> ALLEN FED 21-6
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0660 FNL 1980 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENW Section: 06 Township: 09.0S Range: 17.0E Meridian: S		<b>9. API NUMBER:</b> 43013305840000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/11/2012	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input checked="" type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: <input type="text" value="Put on Injection"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="text-align: center;">           The above reference well was put on injection at 3:00 PM on            05/11/2012. EPA # UT20642-09452         </div> <div style="text-align: right; margin-top: 20px;"> <b>Accepted by the            Utah Division of            Oil, Gas and Mining            FOR RECORD ONLY            June 04, 2012</b> </div>		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/24/2012	



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

1595 Wynkoop Street  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

MAY 02 2012

Ref: 8P-W-UIC

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Mr. Reed Durfey  
District Manager  
Newfield Production Company  
Route 3 – Box 3630  
Myton, Utah

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
**FOR RECORD ONLY**

**RECEIVED**  
**MAY 09 2012**  
DIV. OF OIL, GAS & MINING

RE: Underground Injection Control (UIC)  
Authorization to Commence Injection  
EPA UIC Permit UT20642-09452  
Well: Allen Federal 21-6-9-17  
NENW Sec. 6-T9S-R17E  
Duchesne County, Utah  
API No.: 43-013-30584

Dear Mr. Durfey:

The U.S. Environmental Protection Agency Region 8 has received Newfield Production Company's (Newfield) April 10, 2012, letter with enclosures. The enclosed Part I (internal) Mechanical Integrity test, Well Rework Record (EPA Form 7520-12), schematic diagram and calculated pore pressure were reviewed and approved by the EPA, satisfactorily completing all Prior to Commencing Injection Requirements for UIC Permit UT20642-09452.

As of the date of this letter, Newfield is authorized to commence injection into the Allen Federal 21-6-9-17 well at a Maximum Allowable Injection Pressure (MAIP) of 1,800 psig. You may apply for a higher MAIP at a later date. Your application should be accompanied by the interpreted results of a step rate test that measures the fracture parting pressure and calculates the fracture gradient at this depth and location. Newfield must receive prior authorization from the Director to inject at pressures greater than the permitted MAIP during any test.

As of this approval, responsibility for permit compliance and enforcement is transferred to the EPA's UIC Technical Enforcement Program. Therefore, please direct all monitoring and compliance correspondence to Sarah Roberts at the following address, referencing the well name and UIC Permit number on all correspondence:

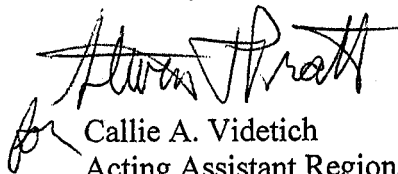
Ms. Sarah Roberts  
U.S. EPA Region 8: 8ENF-UFO  
1595 Wynkoop Street  
Denver, Colorado 80202-1129

Or, you may reach Ms. Roberts by telephone at (303) 312-6211 or (800) 227-8927, extension 312-6211.

Please remember that it is your responsibility to be aware of and to comply with all conditions of injection well Permit UT20642-09452.

If you have questions regarding the above action, please call Emmett Schmitz at (303) 312-6174 or (800) 227-8917, extension 312-6174.

Sincerely,



Callie A. Videtich  
Acting Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

cc: Uintah & Ouray Business Committee:

Irene Cuch, Chairman  
Richard Jenks, Jr., Councilman  
Frances Poowegup, Councilwoman  
Ronald Wopsock, Vice-Chairman  
Phillip Chimburas, Councilman  
Stewart Pike, Councilman

Daniel Picard  
BIA - Uintah & Ouray Indian Agency

Mike Natchees  
Environmental Coordinator  
Ute Indian Tribe

Manual Myore  
Director of Energy & Minerals Dept.  
Ute Indian Tribe

Brad Hill  
Acting Associate Director  
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office  
BLM - Vernal Office



Eric Sundberg, Regulatory Analyst  
Newfield Production Company



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Well Name: Allen 21-6-9-17

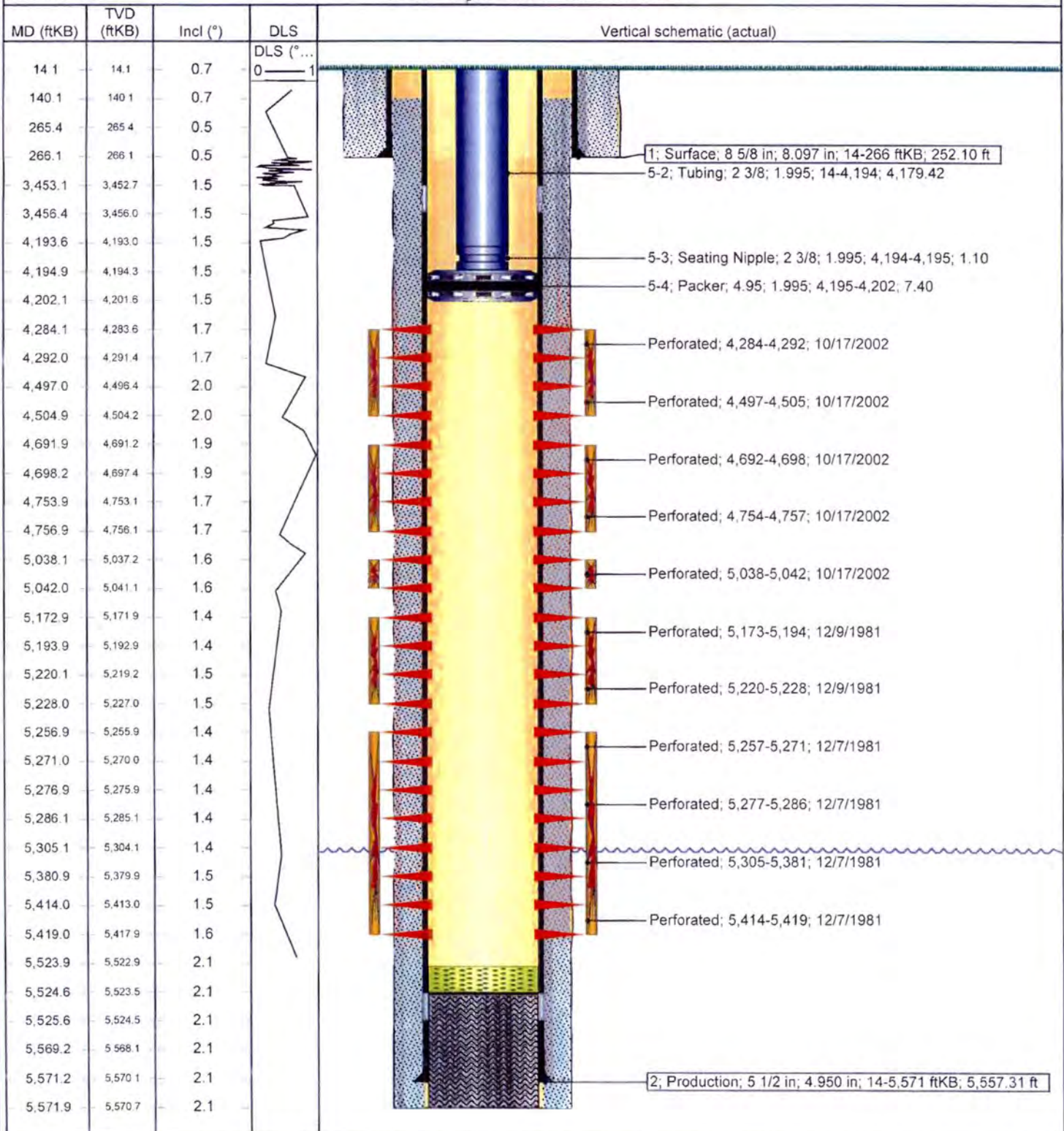
Surface Legal Location 06-9S-17E	API/UWI 43013305840000	Well RC 500150963	Lease	State/Province Utah	Field Name GMBU CTB5	County DUCHESNE
Spud Date	Rig Release Date 12/26/1981	On Production Date 12/26/1981	Original KB Elevation (ft) 5,316	Ground Elevation (ft) 5,302	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 5,524.6

## Most Recent Job

Job Category Production / Workover	Primary Job Type Conversion	Secondary Job Type Basic	Job Start Date 3/29/2012	Job End Date 4/9/2012
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TD: 5,572.0

Vertical - Original Hole, 5/12/2015 9:51:53 AM



# NEWFIELD



## Newfield Wellbore Diagram Data Allen 21-6-9-17

Surface Legal Location 06-9S-17E		API/UWI 43013305840000		Lease	
County DUCHESE	State/Province Utah	Basin		Field Name GMBU CTB5	
Well Start Date 10/20/1981	Spud Date	Final Rig Release Date		On Production Date 12/26/1981	
Original KB Elevation (ft) 5,316	Ground Elevation (ft) 5,302	Total Depth (ftKB) 5,572.0		Total Depth All (TVD) (ftKB) PBTD (All) (ftKB) Original Hole - 5,524.6	

### Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	10/20/1981	8 5/8	8.097	24.00	K-55	266
Production	11/25/1981	5 1/2	4.950	15.50	K-55	5,571

### Cement

#### String: Surface, 266ftKB 10/20/1981

Cementing Company	Top Depth (ftKB) 14.0	Bottom Depth (ftKB) 266.1	Full Return?	Vol Cement Ret (bbl)
Fluid Description 200 SKS CLASS "H" CEMENT 2% W/ 1/4# FLOWSEAL	Fluid Type Lead	Amount (sacks) 200	Class H	Estimated Top (ftKB) 14.0

#### String: Production, 5,571ftKB 11/25/1981

Cementing Company Halliburton Energy Services	Top Depth (ftKB) 140.0	Bottom Depth (ftKB) 5,572.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description 350 SX CLASS "H" W 2% GEL, 6% HAILAID 24 1/4# FLOSEAL, 4.79 # SCK SALT, DISPLACED W/ MUD, BUMPED PLUG W/ 1250 PSI AND HELD	Fluid Type Lead	Amount (sacks) 350	Class H	Estimated Top (ftKB) 2,786.0
Fluid Description PUMPED MUD FLUSH W/1000 GAL CF-2 SPACER, CEMENTED WITH 745 SCKS CLASS "H" W/ 2% GEL, 6% GILSONITE, 5# SALT 1/4# FLOSEAL. DROPPED 2ND PLUG AND DISPLACED, BUMPED PLUG WITH 2650 #.	Fluid Type Tail	Amount (sacks) 745	Class H	Estimated Top (ftKB) 140.0

### Tubing Strings

Tubing Description Tubing					Run Date 3/30/2012		Set Depth (ftKB) 4,202.2	
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Cross Over	1	2 7/8	2.375	4.70	J-55	0.25	14.0	14.2
Tubing	133	2 3/8	1.995			4,179.42	14.2	4,193.7
Seating Nipple	1	2 3/8	1.995			1.10	4,193.7	4,194.8
Packer	1	4.95	1.995			7.40	4,194.8	4,202.2

### Rod Strings

Rod Description				Run Date	Set Depth (ftKB)		
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)

### Other In Hole

Des	Top (ftKB)	Btm (ftKB)	Run Date	Pull Date
Fill	5,524	5,525	10/5/2002	

### Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (")	Nom Hole Dia (in)	Date
5	GB6/PB10, Original Hole	4,284	4,292	4	90		10/17/2002
5	GB6/PB10, Original Hole	4,497	4,505	4	90		10/17/2002
4	D1/DS2, Original Hole	4,692	4,698	4	90		10/17/2002
4	D1/DS2, Original Hole	4,754	4,757	4	90		10/17/2002
3	B1, Original Hole	5,038	5,042	4	90		10/17/2002
2		5,173	5,194	2	180		12/9/1981
2		5,220	5,228	2	180		12/9/1981
1		5,257	5,271	2	180		12/7/1981
1		5,277	5,286	2	180		12/7/1981
1		5,305	5,381	1	360		12/7/1981
1		5,414	5,419	2	180		12/7/1981

### Stimulations & Treatments

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	2,100		35.0	2,300			
2	2,200		15.8	2,600			
3	4,200		10.5	3,800			
4	2,600	0.98	22.3	3,325			
5	2,320	0.98	25.3	2,460			



## Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant Bulk Sand 175000 lb
2		Proppant Bulk Sand 68000 lb
3		Proppant Bulk Sand 20000 lb
4		Proppant Bulk Sand 25000 lb
5		Proppant Bulk Sand 60000 lb